

P-300 Pool Lift
350 lbs [159 kg] Maximum Capacity

READ AND FOLLOW ALL OF THE INSTRUCTIONS THOROUGHLY
BEFORE BEGINNING INSTALLATION OR OPERATION OF THE LIFT.

(LEAVE THIS MANUAL WITH OWNER OF LIFT)



INFORMATION

Product Information	2
Dealer/Installer Information	2

SAFETY SUMMARY

Warnings and Cautions.....	3
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PREPARATION

Suggested Tools	4
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PRE-INSTALLATION

ADA Guidelines.....	5
Path of Travel.....	6

Pool Deck Requirements

Acceptable Existing Deck.....	7
New Concrete Pad into an Existing Deck.....	8
Concrete Pad Diagram.....	9
New Concrete Pad Under Pavers and Sand.....	10
Concrete Pad Diagram.....	11

UNPACKING THE LIFT

PACKAGE CONTENT	12
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INSTALLATION & ASSEMBLY

Charging the Battery.....	13
Flush Mount Base.....	14
Arm Assembly & Seat Support Frame.....	15
Seat Assembly.....	16
Foot Plate.....	17
Battery Pack and Control Pendant.....	18

LIFT OPERATION

Control Pendant	19
Emergency Buttons.....	20

TECHNICAL

Maintenance & Care..	21
Troubleshooting Procedure.....	22

EXPLODED VIEWS / PARTS LIST

P300 Assembly.....	23
Hardware Pack.....	24
Arm Assembly.....	25
Seat Assembly.....	26
Foot Rest Assembly.....	27

WARRANTY INFORMATION

Warranty.....	29
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This manual has been provided to assist you with lift installation and operation. For further assistance please contact your authorized Harmar dealer or Harmar's Technical Service Department.



2075 47th ST
Sarasota, FL 34234
Tel: 800-833-0478
Tech: 866-378-6648
Fax: 941-308-7399
Email: tech@harmar.com

FILL IN THE FOLLOWING FIELDS TO KEEP FOR YOUR RECORDS:

PRODUCT INFORMATION

Model: _____
Serial Number: _____
Purchase Date: _____

DEALER/INSTALLER INFORMATION

Company Name: _____
Contact Name: _____
Address: _____

Phone Number: _____
Fax Number: _____
Email: _____



DANGER - Failure to follow these Warnings, Instructions, and Owner's Manual may result in serious injury or death



WARNING

- ✦ **WEIGHT LIMIT:** Limit for use is ONE (1) person weighing less than the maximum weight of 350lb [159kg]. Use only for the transfer of a single user, not as a hoist or crane.
- ✦ Seat belt is to be used at all times during transfer.
- ✦ Always make sure the area around lift is clear before operating. Never operate the lift with any person(s) within the operating range of the lift, including on the deck and/or in the water.
- ✦ **ADULT USE ONLY:** When in use, the lift is to be operated under the supervision of an adult. Children should never operate nor play on or around the lift at any time.
- ✦ **NO JUMPING/DIVING/CLIMBING:** Do not jump or dive from or climb on the lift.
- ✦ **PINCH/CRUSH HAZARD:** Always keep hands, fingers, legs and toes clear of lift arm, base, and other moving parts when in use.
- ✦ Save a copy of these instructions in a safe and easily accessible place.





CAUTION

- ✦ **BATTERY CHARGE:** Always have the battery on the charger charging when not in use. NEVER leave the battery on the lift when not in use.
- ✦ DO NOT allow excessive moisture to collect in the battery case. It can affect battery and lift performance and could lead to battery failure and/or the lift failing to operate.
- ✦ DO NOT use the seat/seat frame or actuator to move or reposition the lift.
- ✦ NEVER apply direct water pressure to the electronic components



WARNING

Limit for use is one (1) person weighing less than the maximum weight of
350LB [159KG]

SIGNAL WORDS	DEFINITION
 WARNING	Indicates a hazardous situation that if not avoided, could result in moderate to serious injury.
 CAUTION	Indicates a hazardous situation that if not avoided, could result in moderate to serious property damage.



SUGGESTED TOOLS

The following is a suggested list of basic tools to have on hand during installation. Harmar lifts are designed to install with as little assembly by the installer as possible.



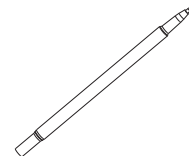
HAMMER DRILL



CORE DRILL



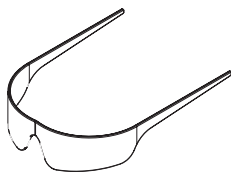
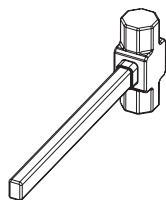
TAPE MEASURE

MARKING
IMPLEMENTMASONRY DRILL BIT
SPECIFICALLY

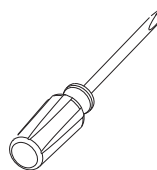
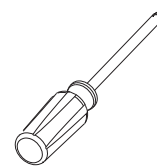
5/8"


CORE-DRILL BIT
SPECIFICALLY

3-1/2"

SOCKET SET
SPECIFICALLY7/16"
3/8"
1/2"
9/16"
3/4"
17mmWRENCH SET
SPECIFICALLY7/16"
3/8"
1/2"
9/16"
3/4"
17mmALLEN WRENCH
SPECIFICALLY1/8"
5/32"
3/16"
7/32"
5/16"
3/8"
8mmSAFETY
GLASSES

HAMMER

FLAT HEAD
SCREWDRIVERPHILLIPS HEAD
SCREWDRIVER

As always, if you have any questions, concerns or comments, please feel free to contact Harmar's Technical Service Department at 866-378-6648 or "tech@harmar.com" 



ADA GUIDELINES (USA only)

Before installing the P300 Lift it is necessary to select the correct location for the Mounting Base. The P300 Lift can be installed in a wide variety of locations, but the owner and installer should be aware of the regulations set forth by the Americans with Disabilities Act (ADA) with concern to lift installations. Fig. 1 below, shows an example of an ADA compliant installation, which incorporates the following ADA rules in order to be compliant;

- **1009.2.1 POOL LIFT LOCATION:** Pool lifts must be located where the water level does not exceed 48 inches [1220mm], unless the entire pool is greater than 48" deep.
(Harmar requires a minimum pool depth of 40".)
- **1009.2.2 SEAT LOCATION:** In the raised position, the centerline of the seat shall be located over the deck and 16 inches [405mm] minimum from the edge of the pool wall. The deck surface between the centerline of the seat and the pool edge shall have a slope no greater than 1:48.
- **1009.2.3 CLEAR DECK SPACE:** On the side of the seat opposite the water, a clear deck space shall be provided parallel with the seat. The space shall be 36 inches [915mm] wide minimum and shall extend forward 48 inches [1220mm] from a line located 12 inches [305mm] behind the rear edge of the seat. The clear deck space shall have a slope not greater than 1:48.

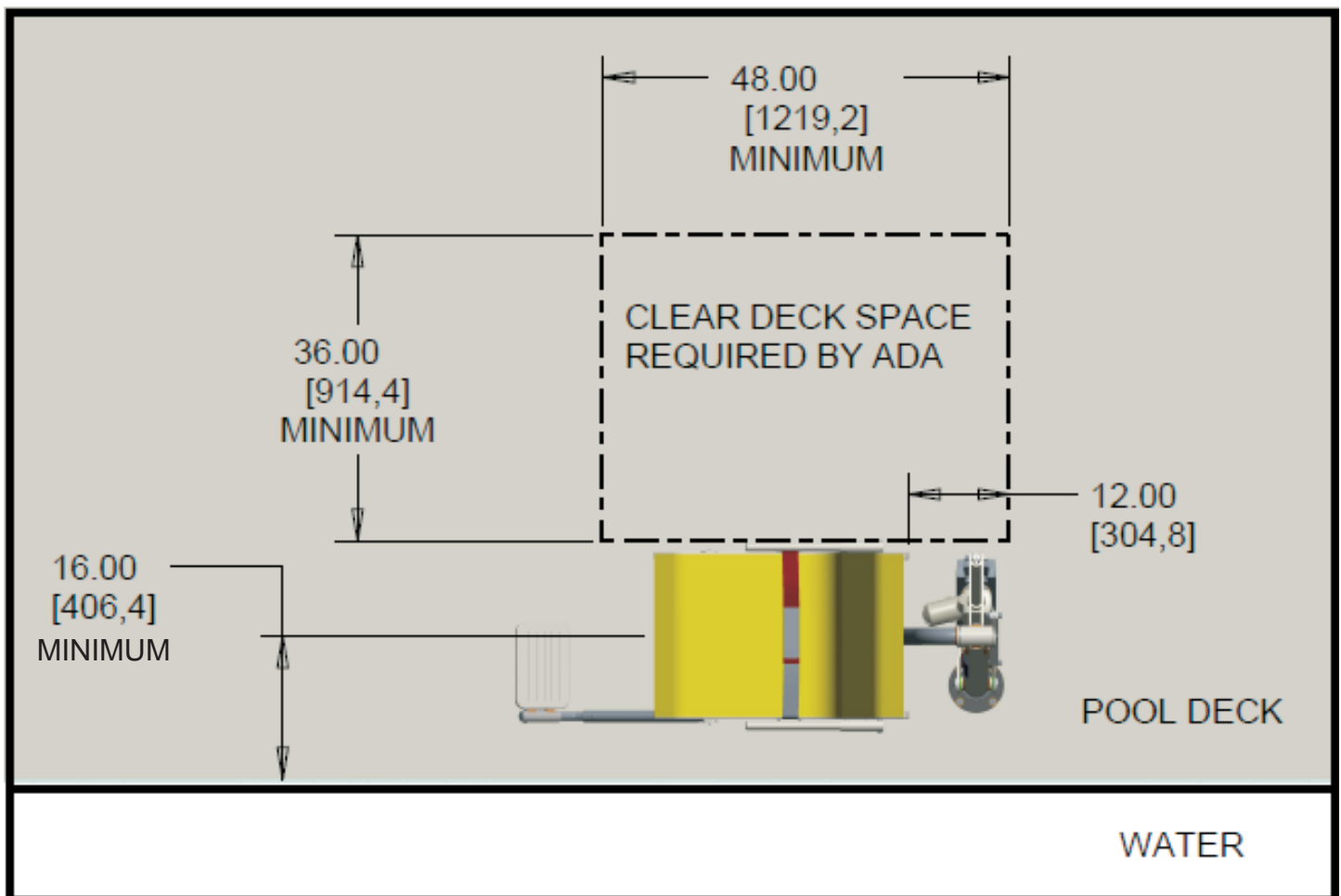
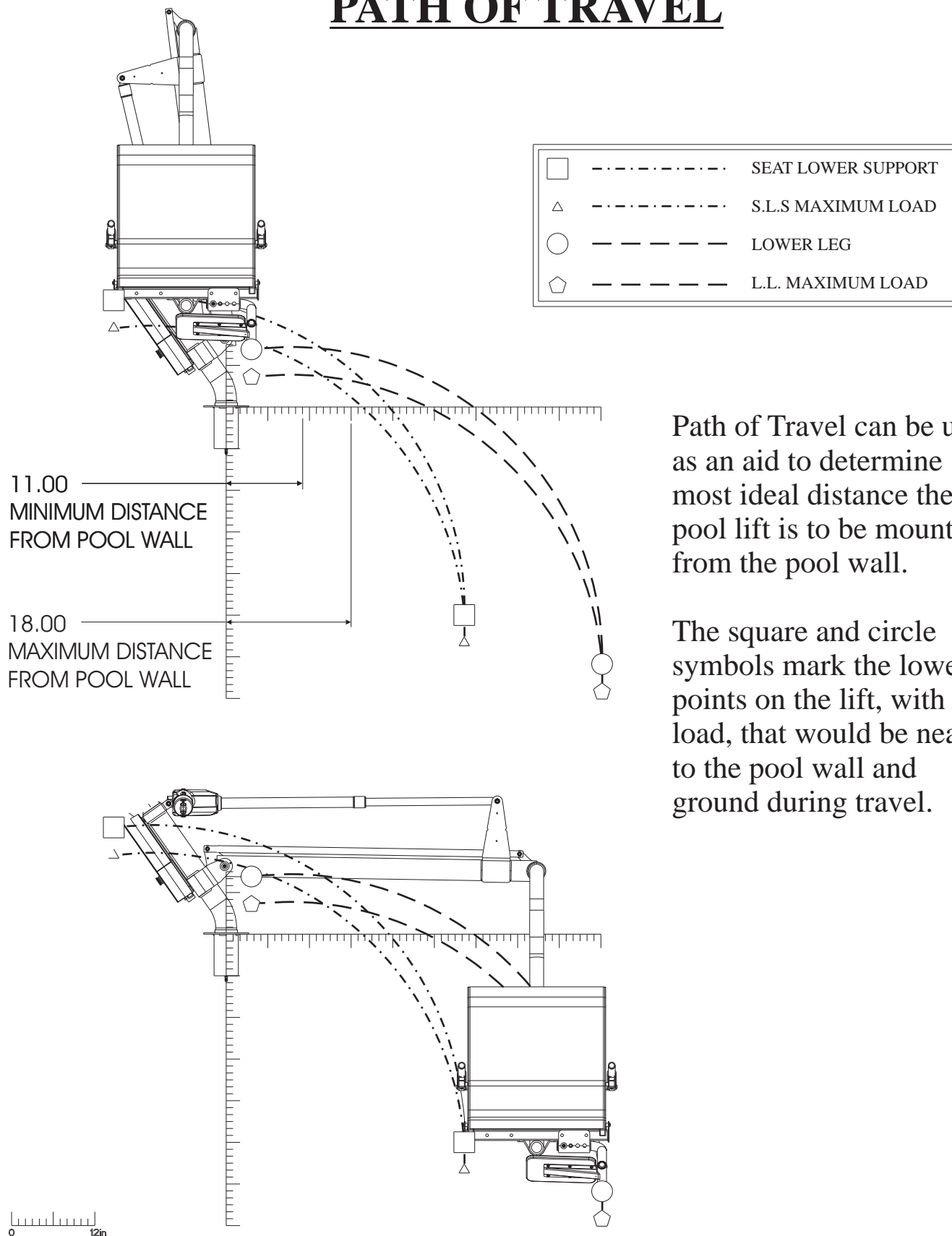


Fig 1: ADA Deck Requirement



PATH OF TRAVEL





INSTALLATION INSTRUCTIONS FOR ACCEPTABLE EXISTING DECKS

Minimum Deck Requirement:

- FOOTING: 3'6" x 3'6" x 10" THICK
- REINFORCEMENT: #4 REBAR AT 10" ON CENTER
- CONCRETE STRENGTH: 3000PSI

**Due to local electrical code, it maybe necessary to Bond the Mounting Base to the pools Bonding Grid with 8ga Copper Wire, Fig. 5.
Check your Local Electrical Code for proper Grounding/Bonding.**

REQUIRED TOOLS & MATERIALS:

SAFETY GLASSES

HAMMER DRILL

CORE DRILL

5/8" MASONRY DRILL BIT

3.50" CORE DRILL BIT

MARKING PEN

WIRE BRUSH

AIR NOZZLE & COMP./PUMP

HAMMER

- 1 Follow the ADA guidelines and select the Mount Base location using Fig. 1 & 2. Mark the center of the Base location with a Marker.
- 2 Using a 3.50" diameter Core-Drill Bit drill a 3.50" diameter hole at the Base location. Make sure to keep the bit square to the deck, drill straight down, and remove plug, see Fig. 4.
- 3 Using the Hammer Drill, cut a 0.38" min. x 45° chamfer around the edge of the hole, do not exceed 0.50" chamfer, and also cut the 1" wide x 1/2" deep notch, see Fig. 3 & 4.
- 4 Clean out the hole with a Wire Brush, and then insert an Air Nozzle to the bottom of the hole and blow out the hole using a Pump or Compressed Air. Proper hole cleaning is essential.
- 5 Place the Mount Base into the hole and "dry-fit" it first to make sure the Base will be flush with the deck and not too tight when installing. Adjust the hole and cuts as needed.
- 6 Align Base properly, mark the locations of the four holes on the base, and remove Base. Using the Hammer Drill and 5/8 Masonry Drill Bit, drill the four 5/8" holes. Make sure the Drill is square to the deck and drill straight down to a depth of 2.00", see Fig. 3.
 - DO NOT DRILL TOO DEEP OR THE ANCHORS WILL BE TOO LOW FOR THE SUPPLIED FASTENERS
 - DO NOT DRILL TOO SHALLOW OR THE ANCHORS WILL BE TOO HIGH FOR THE BASE TO BE FLUSH.
 - DO NOT PITCH THE DRILL WHILE DRILLING OR THE HOLES WILL BE TOO WIDE TO HOLD THE ANCHORS.

**WARNING**

**When operating equipment, operator should ALWAYS wear
Personal Protective Equipment**



INSTRUCTIONS FOR INSTALLING A NEW CONCRETE PAD INTO AN EXISTING DECK

Minimum Deck Requirement:

- FOOTING: 3'6" x 3'6" x 10" THICK
- REINFORCEMENT: #4 REBAR AT 10" ON CENTER
- CONCRETE STRENGTH: 3000PSI

**Due to local electrical code, it maybe necessary to Bond the Mounting Base to the pools Bonding Grid with 8ga Copper Wire, Fig. 5.
Check your Local Electrical Code for proper Grounding/Bonding.**

REQUIRED TOOLS & MATERIALS:

SAFETY GLASSES	SHOVEL/DIGGING DEVICE
CONCRETE SAW	MARKING PEN
HAMMER DRILL	3.50" OD min. PIPE/TUBE/SLEEVE (3.50" +0.09/-0.00 recommended)
MASONRY TROWEL	HAMMER
5/8" MASONRY DRILL BIT	SHOP VAC

- 1 Follow the ADA guidelines and select the Mount Base location using Fig. 1 & 2. Mark the location in which the lift will be mounted and draw a square pattern of the area to be cut with the location of the lift centered within the square.
- 2 Cut the square pattern from the existing deck with the Concrete Saw and remove the slab. The area should be a minimum of 3'6" long by 3'6" wide. ALWAYS WEAR PROTECTIVE GEAR WHEN OPERATING MACHINERY OF ANY TYPE.
- 3 Add the new footing with a minimum thickness of 10", reinforced with two mats of #4 rebar spaced 10" on center. One mat is to lay 3" clear of the bottom of the footing and the other 2" clear of the top. Locate the location in which the lift will be placed and set the 3.50" diameter Pipe/Tube/Sleeve, Fig. 2. The new slab will need to be drilled and epoxied into the existing deck with either Simpson Set-XP or Hilti RE-500-SD. BE SURE THAT THE PIPE/TUBE/SLEEVE HAS A GREATER DIAMETER THAN 3.50", OTHERWISE, THE MOUNTING BASE WILL NOT FIT.
- 4 Allow the concrete to slightly set, but not fully harden and using the Trowel, cut a 0.38" min. x 45° chamfer around the edge of the hole and also cut the 1" wide x 1/2" deep notch, see Fig. 3 & 4.
- 5 Once the concrete has fully set, remove the Sleeve and clean out the hole with a Wire Brush. Use a Shop Vac to clean out all debris left in the hole. Adjust hole as necessary for fit of Mount Base.
- 6 Place the Mount Base into the hole and "dry-fit" it first to make sure the Base will be flush with the deck and is not too tight when installing. Adjust the hole and cuts as needed.
- 7 Align Base properly, mark the locations of the four holes on the base, and remove Base. Using the Hammer Drill and 5/8" Masonry Drill Bit, drill the four 5/8" holes, see Fig. 3. Make sure the Drill is square to the deck and drill straight down to a depth of 2.00" or until the drop anchors will rest flush with the deck.
 - DO NOT DRILL TOO DEEP OR THE ANCHORS WILL BE TOO LOW FOR THE SUPPLIED FASTENERS
 - DO NOT DRILL TOO SHALLOW OR THE ANCHORS WILL BE TOO HIGH FOR THE BASE TO BE FLUSH.
 - DO NOT PITCH THE DRILL WHILE DRILLING OR THE HOLES WILL BE TOO WIDE TO HOLD THE ANCHORS.



WARNING

**When operating equipment, operator should ALWAYS wear
Personal Protective Equipment**



DIAGRAMS OF CONCRETE PAD AND HOLES FOR CONCRETE DECK

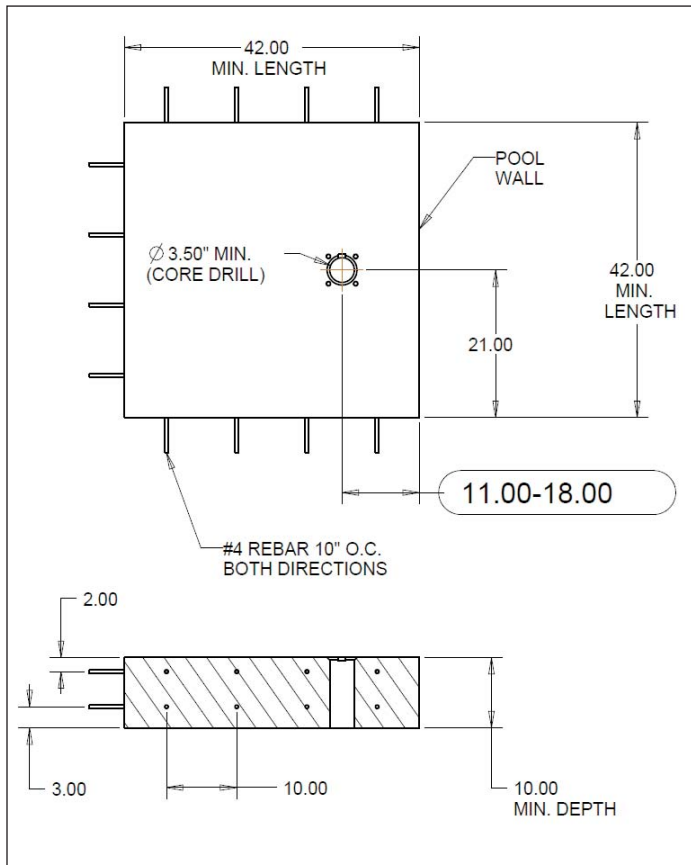


Fig 2: Concrete Slab and Core-Drill Specs.

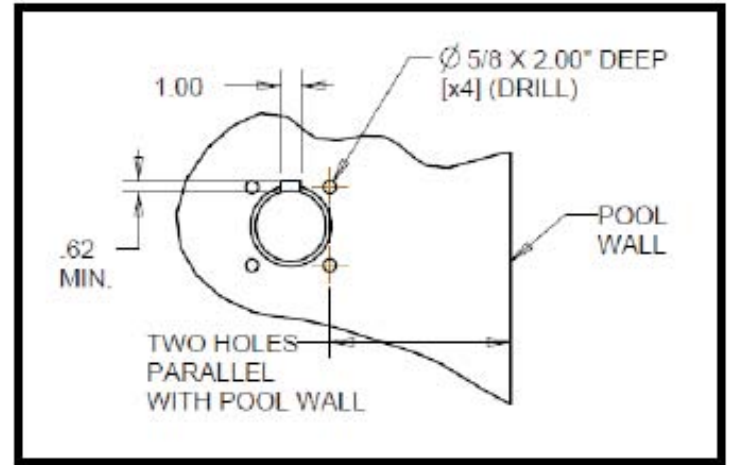


Fig 3: Mounting Hole Specs and Cutout Dimensions..

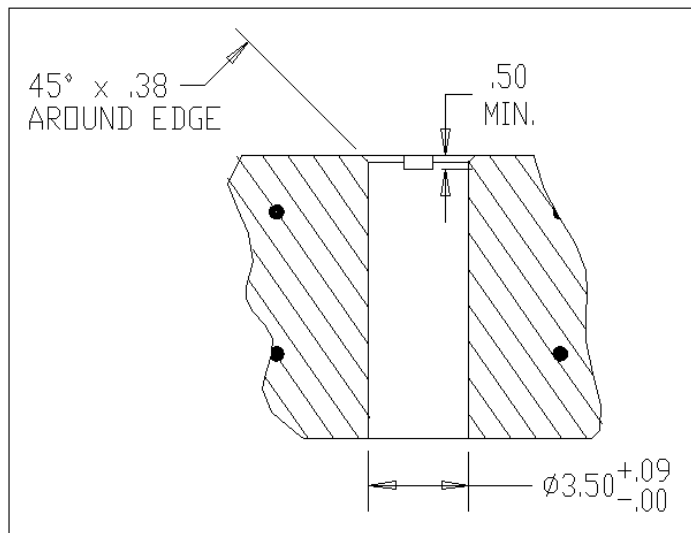


Fig 4: Core-Drill Dimensions and Depth.

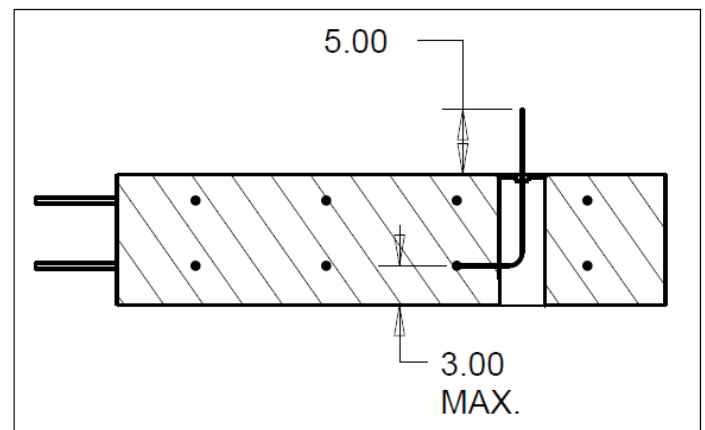


Fig 5: 8ga Copper Wire Location and Dimension.
(Check Local Codes for Proper Grounding)



INSTRUCTIONS FOR INSTALLING A NEW CONCRETE PAD UNDER PAVERS AND SAND

Minimum Requirement:

- CONCRETE FOOTING: 5' x 5' x 6" THICK
- CONCRETE RISER: THICKNESS DETERMINED BY LAYER OF SAND AND PAVER THICKNESS, SEE FIG. 6
- REINFORCEMENT: #4 REBAR AT 10" ON CENTER
- CONCRETE STRENGTH: 3000PSI

**Due to local electrical code, it maybe necessary to Bond the Mounting Base to the pools Bonding Grid with 8ga Copper Wire, Fig. 5.
Check your Local Electrical Code for proper Grounding/Bonding.**

REQUIRED TOOLS & MATERIALS:

SAFETY GLASSES	SHOVEL/DIGGING DEVICE
HAMMER DRILL	MARKING PEN
MASONRY TROWEL	3.50" OD min. PIPE/TUBE/SLEEVE (3.50" +0.09/- 0.00 recommended)
5/8" MASONRY DRILL BIT	HAMMER

- 1 Follow the ADA guidelines and select the Mount Base location using Fig. 1 & 2. Mark the location in which the lift will be mounted and remove all pavers in and around the area required to install the new 5' x 5' concrete pad.
- 2 Evenly excavate the area to a depth that will allow for a layer of gravel (when necessary for drainage and additional support), 6" for the concrete footing, and the thickness of the riser (the total thickness of the layer of sand and the thickness of the pavers). **BE SURE TO PROPERLY COMPACT LAYER TO BE UNDER FOOTING**
- 3 Add the new slab with a minimum thickness of 6" and 5' sq. for the footing and the thickness of the riser (dependant on the layer of sand and the paver thickness) so riser is flush with top of pavers, see Fig. 6 for proper width of riser. Reinforce the slab with three mats of #4 rebar spaced 10" on center. One mat is to lay 2" clear of the bottom of the footing and the other two 2" clear of the top of the footing and top of the riser. The three mats should be connected together with four vertical pieces of rebar to connect the footing to the riser, Fig. 7. Locate the location in which the lift will be placed and set the 3.50" diameter Pipe/Tube/Sleeve, Fig. 6. **BE SURE THAT THE PIPE/TUBE/SLEEVE HAS A GREATER DIAMETER THAN 3.50", OTHERWISE, THE HOLE WILL BE TOO TIGHT FOR THE MOUNTING BASE TO FIT.**
- 4 Once concrete is poured and has had time to slightly set, but is still soft, use the Trowel and cut a 0.38" min. x 45° chamfer around the edge of the hole and also cut the 1" wide x 1/2" deep notch, see Fig. 9.
- 5 Once the concrete has fully set, remove the Sleeve and clean out the hole with a Wire Brush.
- 6 Place the Mount Base into the hole and "dry-fit" it first to make sure the Base will be flush within the riser and is not too tight when installing. Adjust the hole and cuts as needed.
- 7 Align Base properly, mark the locations of the four holes on the base, and remove Base. Using the Hammer Drill and 5/8" Masonry Drill Bit, drill the four 5/8" holes, see Fig. 9. Make sure the Drill is square to the deck and drill straight down to a depth of 2.00" or until the drop anchors will rest flush with the deck.
 - DO NOT DRILL TOO DEEP OR THE ANCHORS WILL BE TOO LOW FOR THE SUPPLIED FASTENERS
 - DO NOT DRILL TOO SHALLOW OR THE ANCHORS WILL BE TOO HIGH FOR THE BASE TO BE FLUSH.
 - DO NOT PITCH THE DRILL WHILE DRILLING OR THE HOLES WILL BE TOO WIDE TO HOLE THE ANCHORS.

**WARNING**

**When operating equipment, operator should ALWAYS wear
Personal Protective Equipment**



DIAGRAMS OF CONCRETE PAD AND HOLES FOR SAND AND PAVER DECK

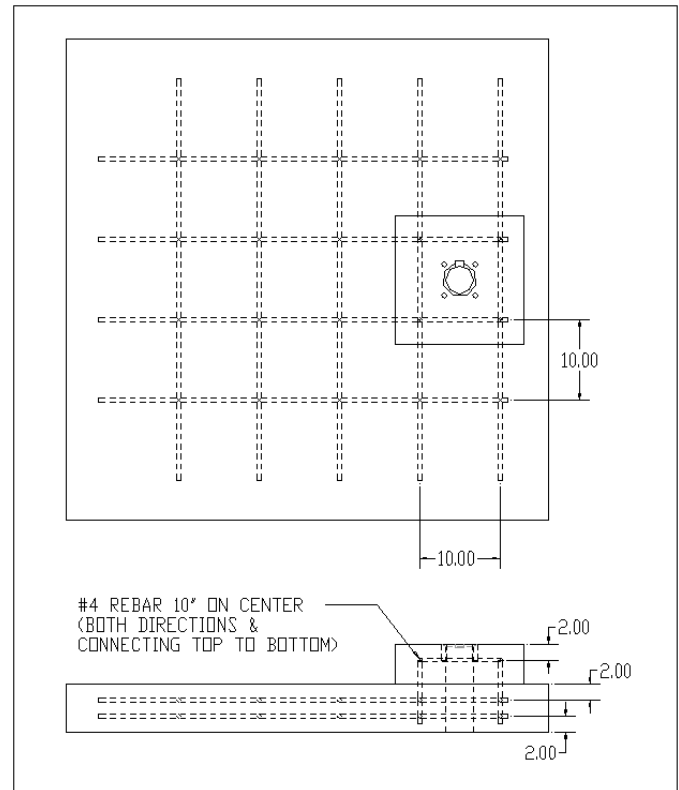
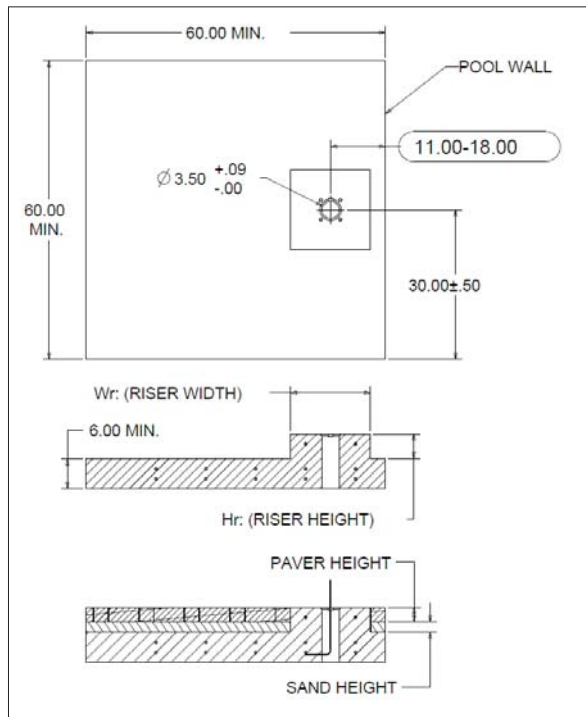


Fig 7: Rebar Mat Specifications and Location.

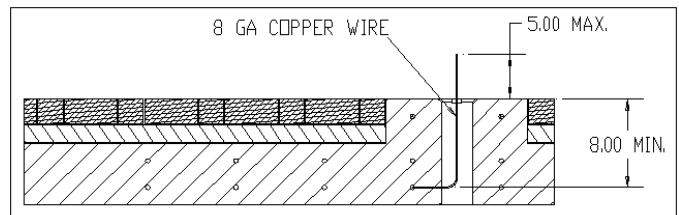


Fig 8: 8ga Copper Wire Location and Dimension.
(Check Local Codes for Proper Grounding)

DETERMINING THE WIDTH OF THE RISER

[Hr] is the Height of the Riser

[Wr] is the Width of the Riser

$Hr = (\text{Height of Sand}) + (\text{Thickness of Paver})$

$Wr = (Hr + 3.00) \times (2)$

EXAMPLE:

Sand = 2.00" deep and Paver = 3.00" thick

$Hr = 2 + 3 = 5.00"$

$Wr = (5.00 + 3.00) \times (2) = 16.00$ square inches

Fig 6: Concrete Pad Specifications

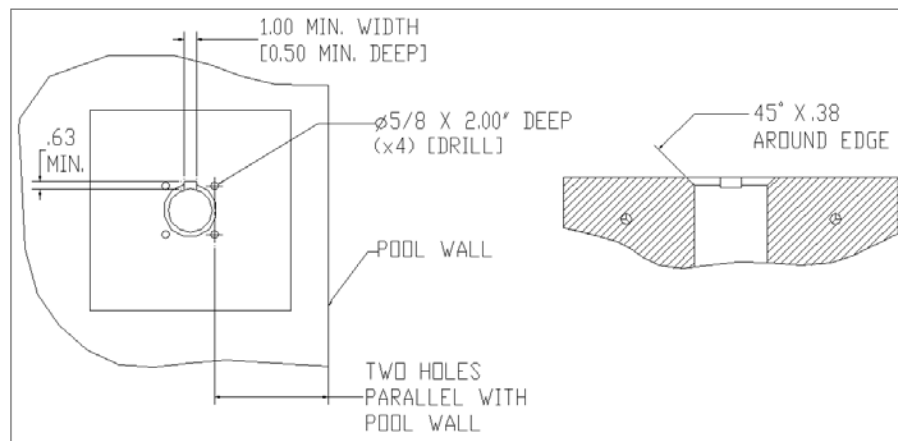


Fig 9: Hole Specifics and Dimensions

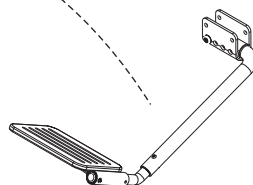
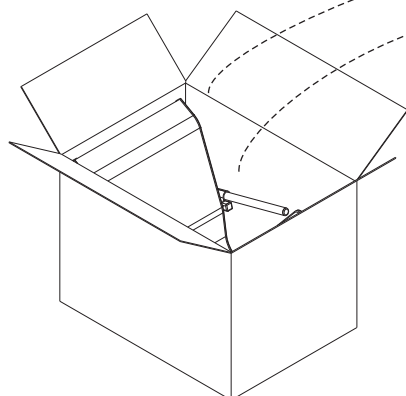
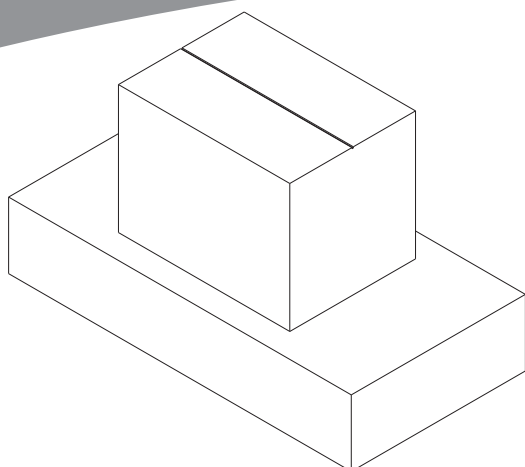
PACKAGE CONTENT

Be sure to check the contents of the boxes against the package checklist, verifying all parts are included with the lift for a proper installation. If any parts are missing or damaged, immediately contact the distributor from which you purchased the lift. **DO NOT** attempt to install or use the lift with any missing or damaged parts.

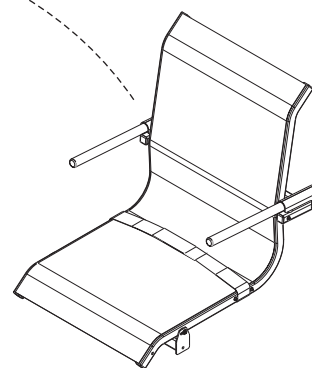


WARNING

NEVER attempt to lift the boxes from the ground or on/off a vehicle by yourself. Serious injuries or damage to equipment may result.

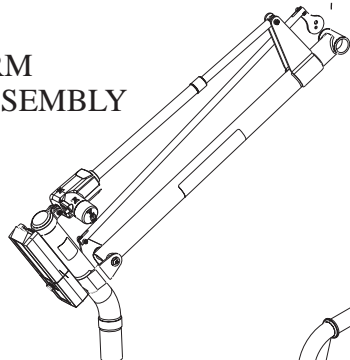


FOOT REST
ASSEMBLY



SEAT ASSEMBLY

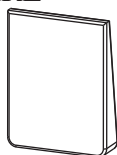
ARM
ASSEMBLY



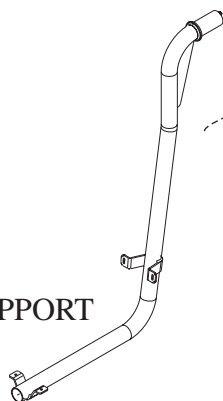
CONTROL
PENDANT



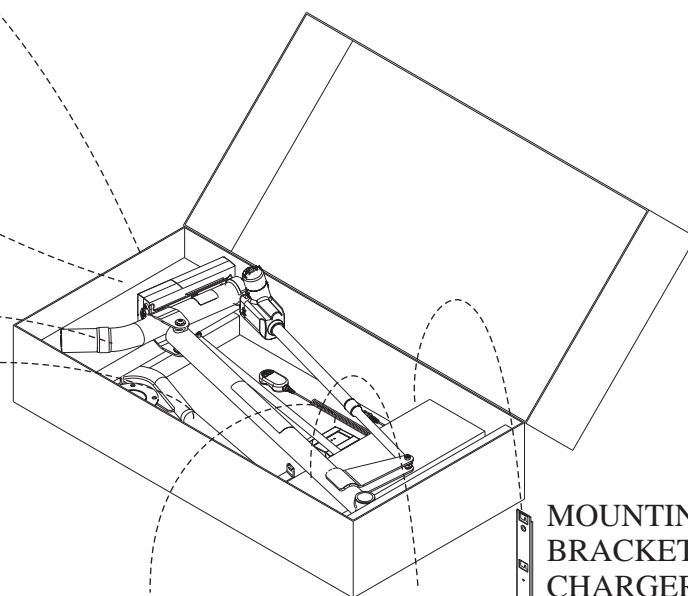
HARDWARE
PACK



SEAT SUPPORT
FRAME



FLUSH
MOUNT
BASE



CHARGER



MOUNTING
BRACKET
CHARGER



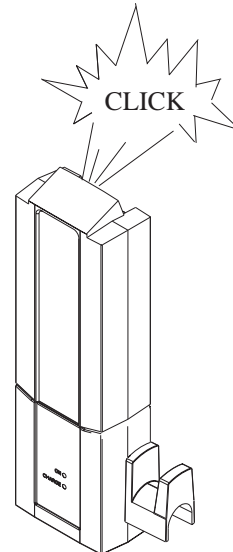
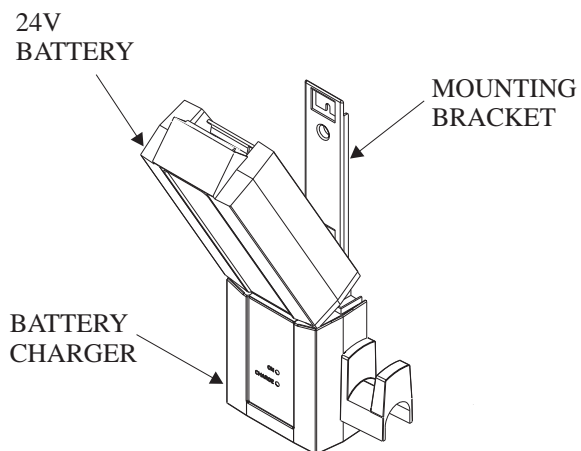


CHARGING THE BATTERY

Before using the pool lift for the first time, the 24V Battery must be fully charged. The battery should be charged for a minimum of 24 hours on its first initial charge. The battery can be left on the Battery Charger overnight or until it is needed for use. It is recommended that the battery be fully charged before each use to ensure that the lift will function for the duration of its immediate use. The battery should never stay on the lift if the lift is not being used.

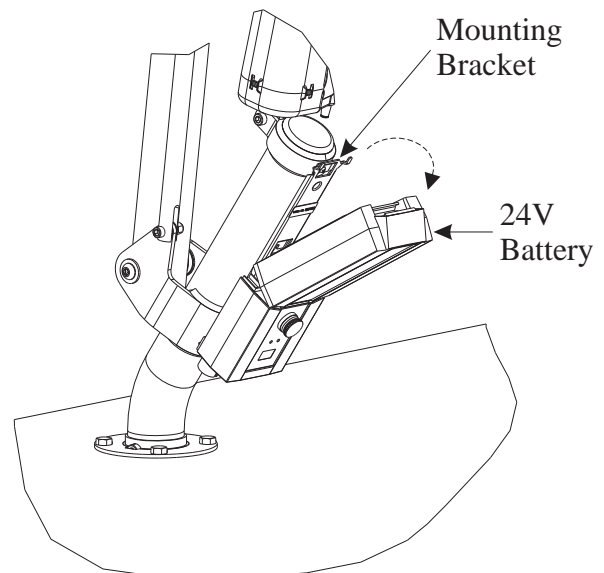
1 Installing 24V Battery onto Battery Charger:

Place Battery onto Battery Charger and rotate up until the Battery engages the Mounting Bracket. The latch on the Battery will click when engaged properly and will be fixed tightly on top of the Charger. When the Charger is plugged in, the "ON" light will illuminate GREEN. When the Battery is properly mounted onto the Charger, the "Charge" light will illuminate ORANGE. Once the Battery is FULLY charged, the "Charge" light will turn off and the Battery is ready to be used.



2 Recharging 24V Battery

To recharge the Battery, grip the top-rear of the Battery and squeeze the clip. This will unlatch the Battery from the Mounting Bracket. The Battery can now be installed onto the Battery Charger as described above.



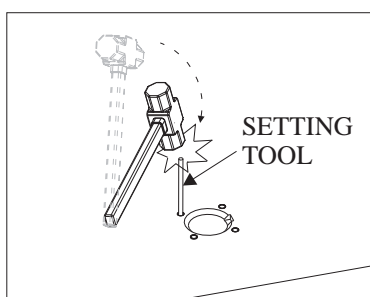
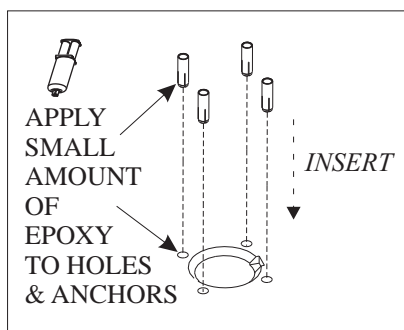
CAUTION

ALWAYS have the Battery charging on the Charger when not in use.

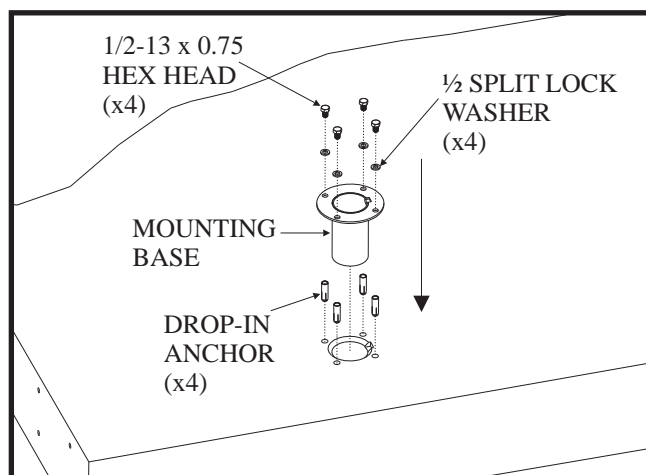
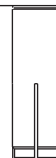


3 Insert Drop-In Anchors

Before inserting the Drop-In Anchors, apply a small amount of Epoxy into the four anchor holes and to the outside of the anchors. Insert the Drop-In Anchors into the holes and gently tap them in being careful not to damage the thread (they should sit flush with or just below the deck). Once in place, using the Setting Tool, forcefully strike the inside of the anchors to set them.

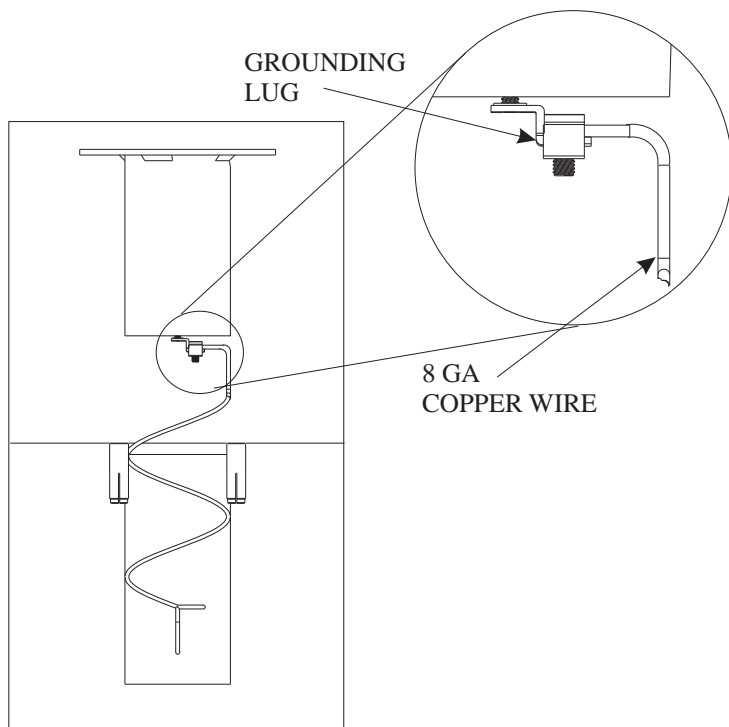
**CAUTION****DO NOT apply too much Epoxy**

FLUSH MOUNT BASE ASSEMBLY

**CAUTION****Anchor must be set flush or slightly below surface**

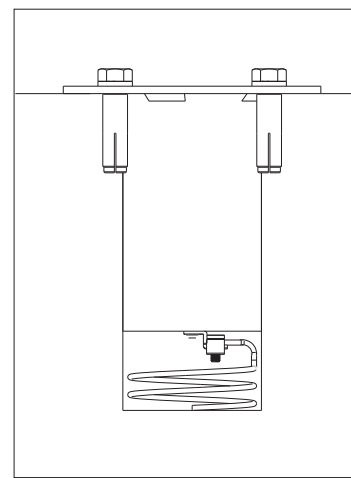
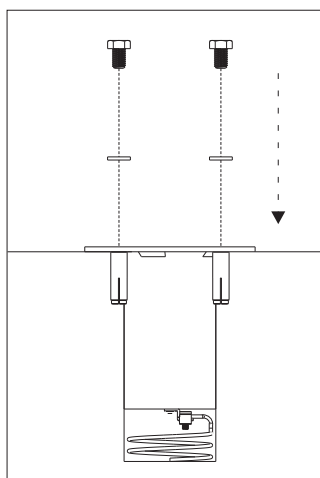
4 Attach Copper Wire

Fasten copper wire to Grounding Lug located underneath the Mount Base. Coil wire into hole so it doesn't protrude through Mount Base. **CHECK LOCAL ELECTRICAL CODE**



5 Insert Mount Base

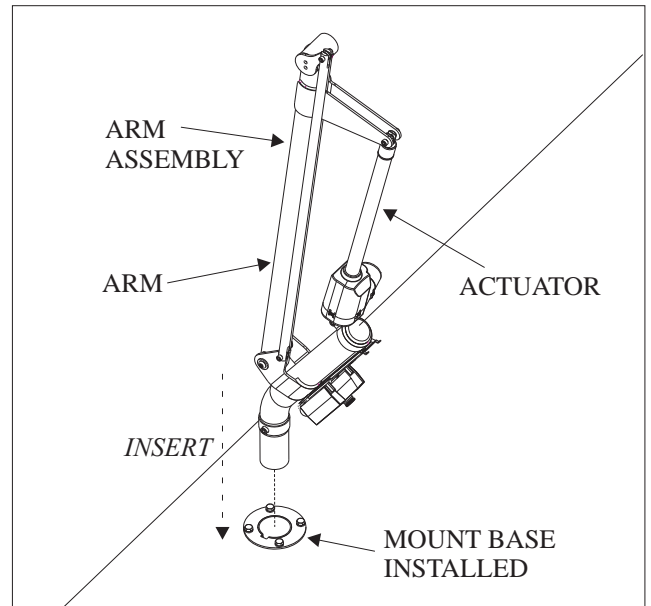
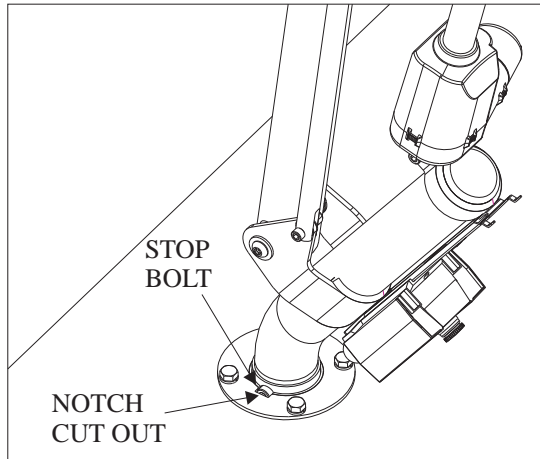
Insert Mount Base into 3.50" hole, align mounting holes with anchors, and tightly fasten with spring lock washer and bolts.





6 Insert Arm Assembly

Insert Lower Post of the Arm Assembly into the Flush Mount Base. Be sure to align the bolt head with the notch cut out of the Mount Base and seat Arm Assembly.

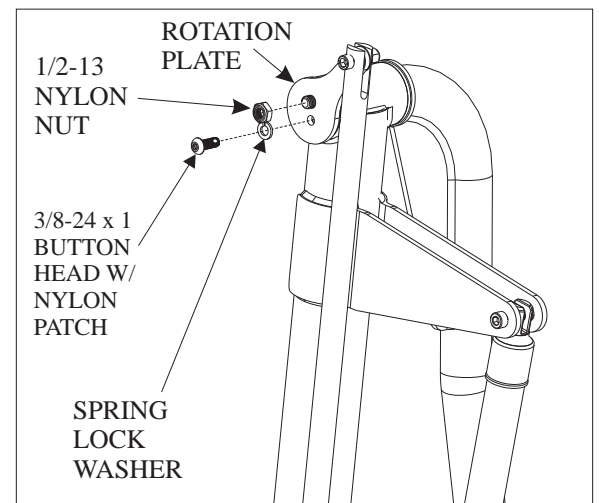
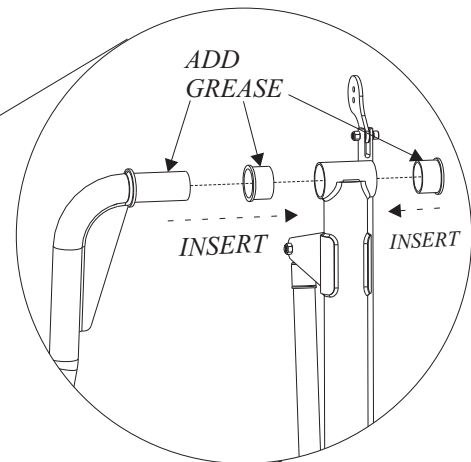
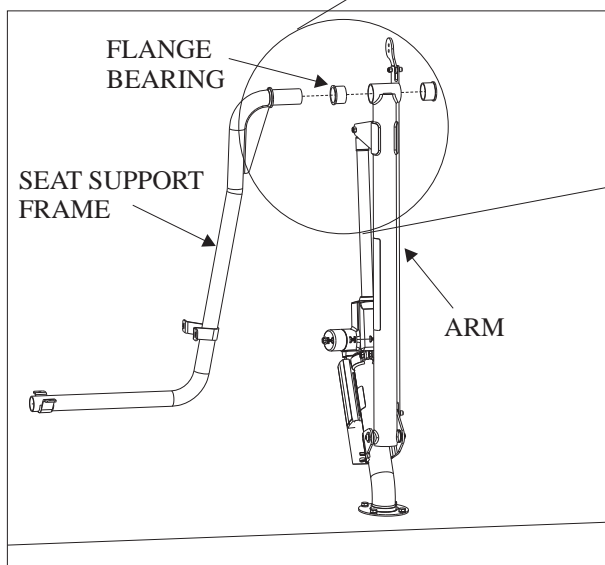


CAUTION DO NOT lift from the Actuator

7

Attach Seat Support Frame

Grease the surfaces of the Flange Bearings and the Seat Support Frame, if necessary, as shown in the picture. Insert the Flange Bearings into the Arm and insert the Seat Support Frame into the bearings. Rotate the Rotation Plate forward and fasten to Seat Support Frame.

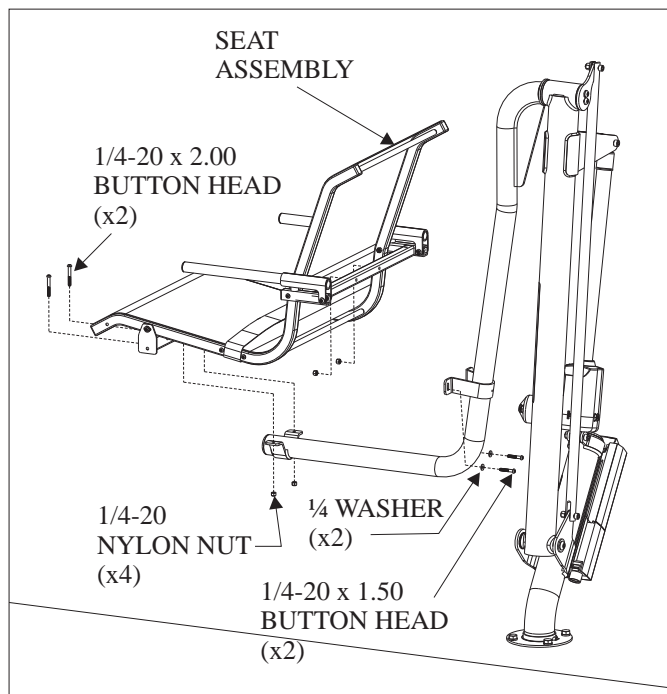




8

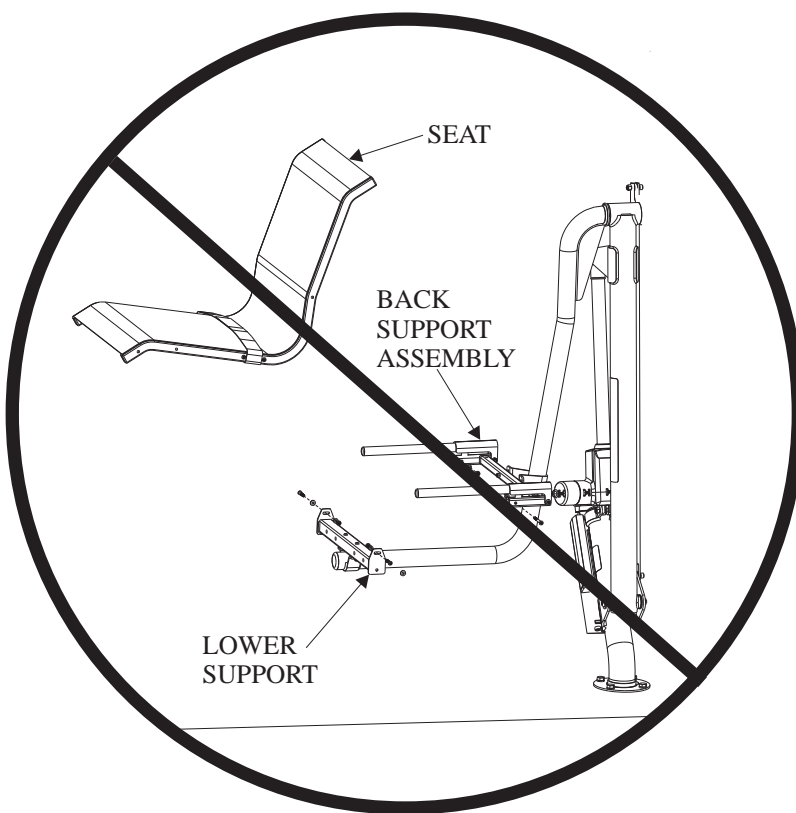
Attach Seat Assembly

Rest Seat Assembly onto Seat Support Frame, align holes, and tightly fasten with respective fasteners.



CAUTION

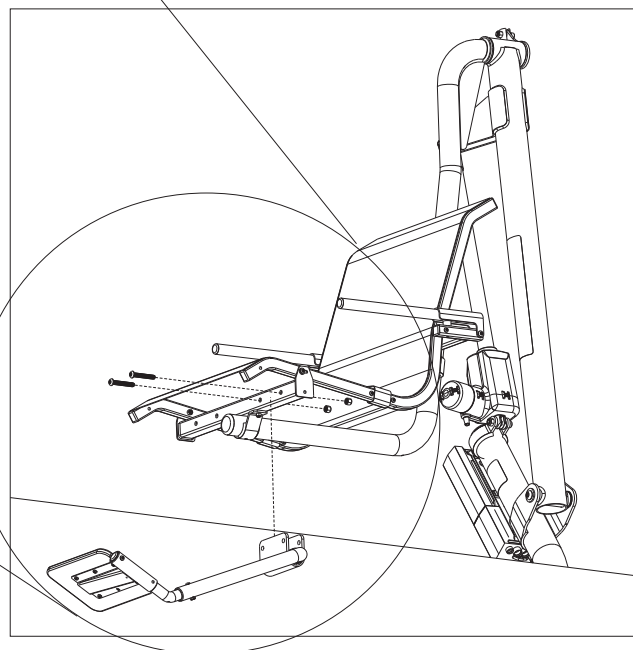
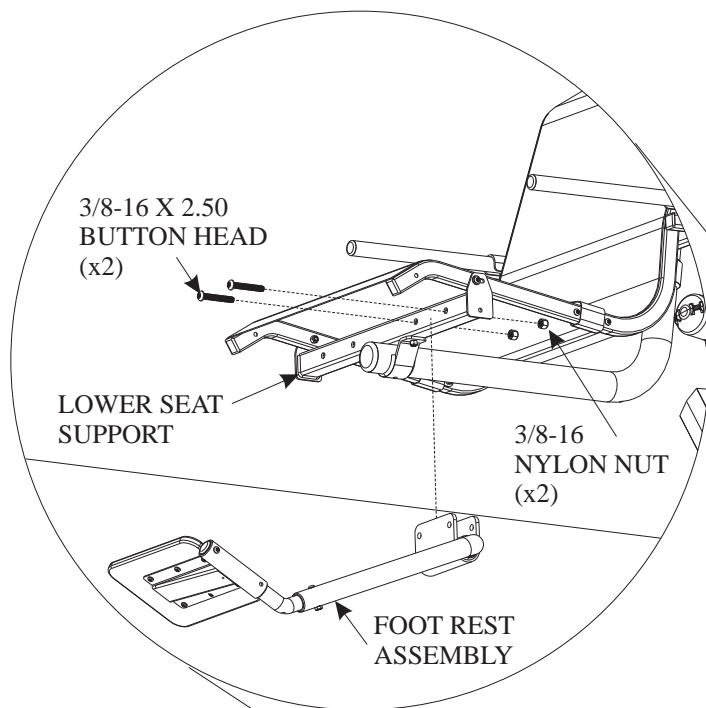
DO NOT unfasten or disassemble Seat from Back & Lower Supports.





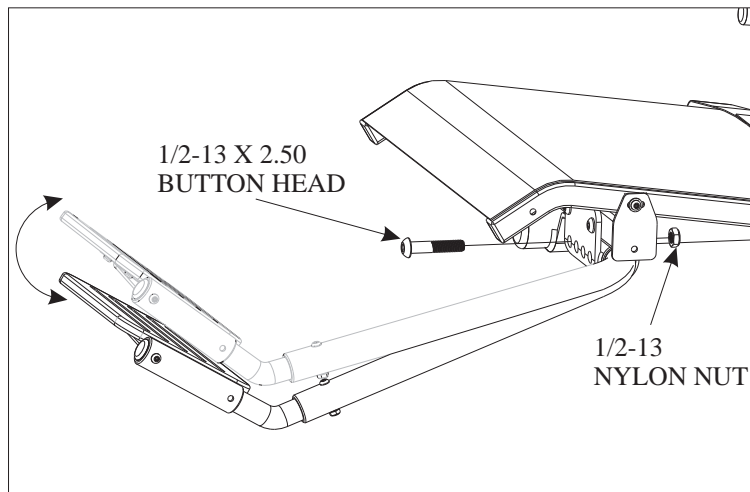
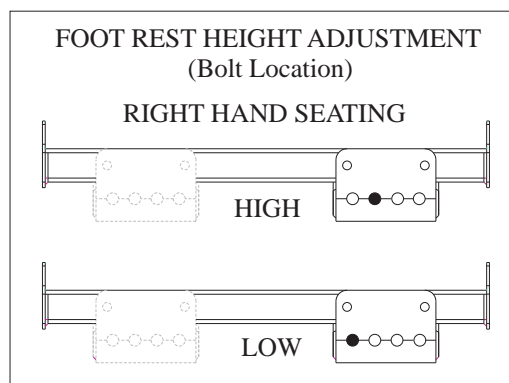
9 Attach Foot Rest Assembly

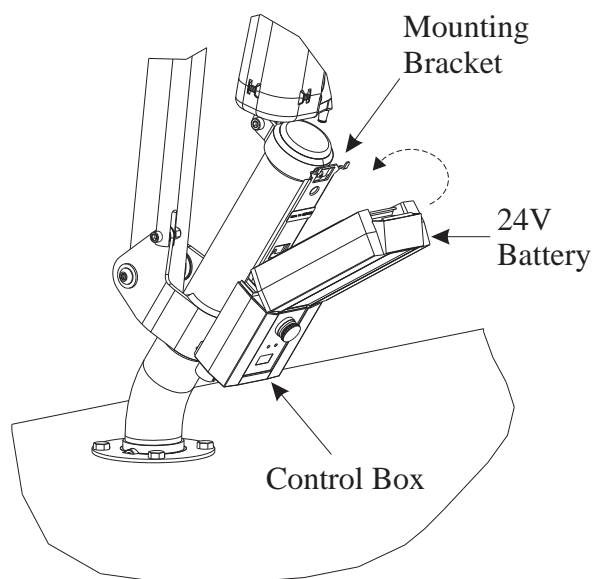
The P300 is designed for right hand seating. The Foot Rest should always be on the side nearest to the water. To attach the Foot Rest Assembly, simply align the holes on the Foot Rest Assembly with that of the Lower Seat Support and fasten with the supplied hardware.



10 Foot Rest Adjustment

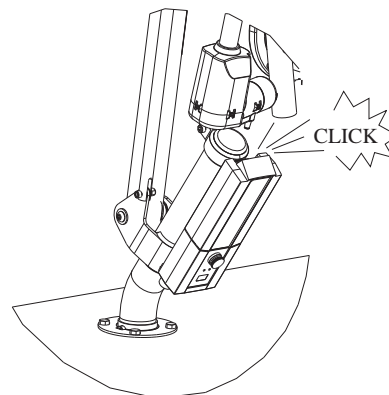
The Foot Rest has two setting, high and low, depending on the desired height. To adjust the height of the Foot Rest, remove the bolt, adjust the height up or down, align the holes at the desired height, reinsert the bolt into the correct hole, as shown below, and fasten.





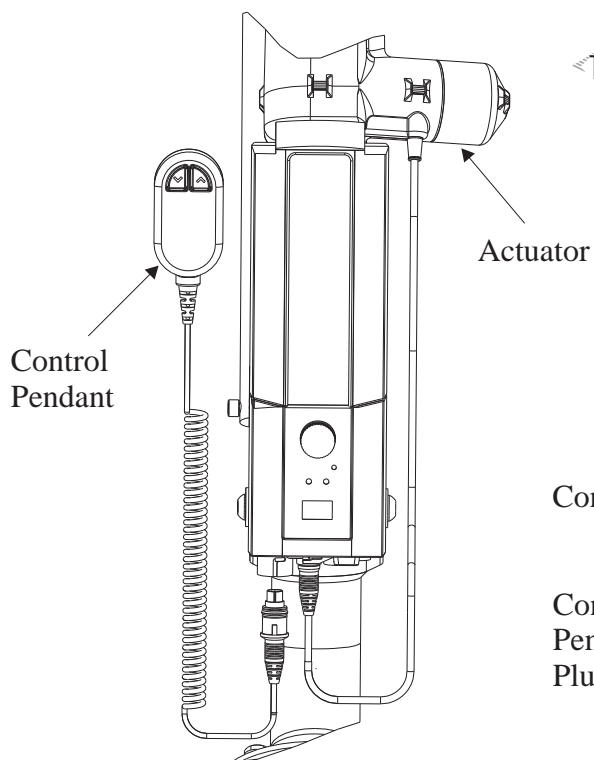
11 Installing 24V Battery onto Lift:

Place **FULLY** charged Battery onto Control Box and lift up until the Battery engages the Mounting Bracket. The latch on the Battery will click when engaged properly and will be fixed tightly on top of the Control Box.



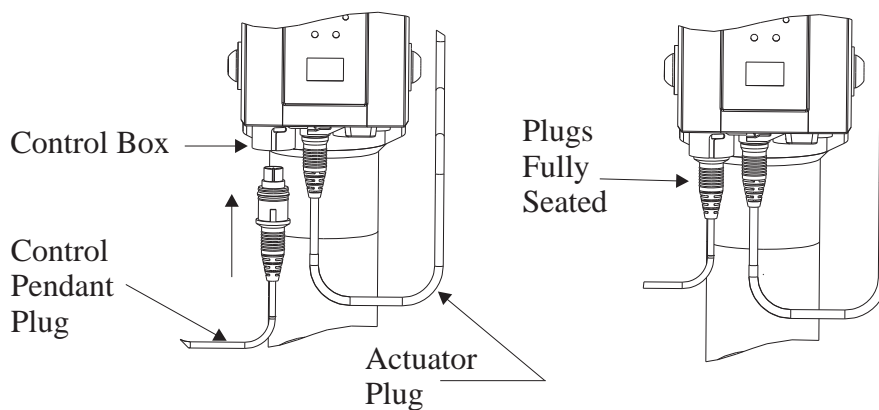
WARNING

ALWAYS detach the Battery when **NOT** in use and place onto the Charger to ensure a **FULLY** operating Battery when needed



12 Connecting Control Pendant:

Insert Control Pendant plug into Control Box port by aligning key on plug with key way on the port. This will ensure that the pins on the plug align with that of the Control Box. Press firmly to ensure that the plug is fully seated within the port. Also, firmly press in the actuator plug to ensure that it is seated properly into its respective port.



WARNING

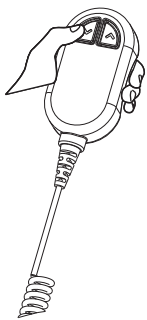
Lift WILL NOT operate if the Control Pendant and/or the actuator plugs are **NOT** fully seated within their respective ports of the Control Box.



BEFORE OPERATING THE LIFT:

- 1 Always make sure that the area around the lift is clear before operating.
- 2 Never operate the lift with any person within the operating range of the lift, including the deck and/or water.
- 3 **DO NOT** allow anyone to operate the lift without adult supervision.
- 4 **DO NOT** allow children to play on or around the lift at any time.
- 5 Check all fasteners and joints for tightness and wear before each use.

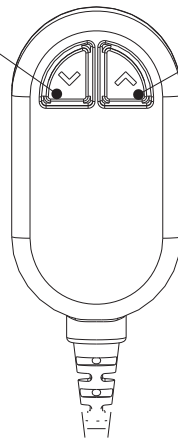
OPERATING THE LIFT



To move the lift into the pool, press and hold the DOWN button on the Control Pendant.

To STOP moving, release the button at the desired depth.

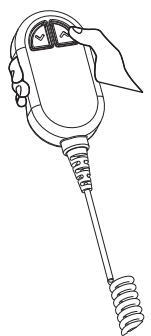
DOWN



UP

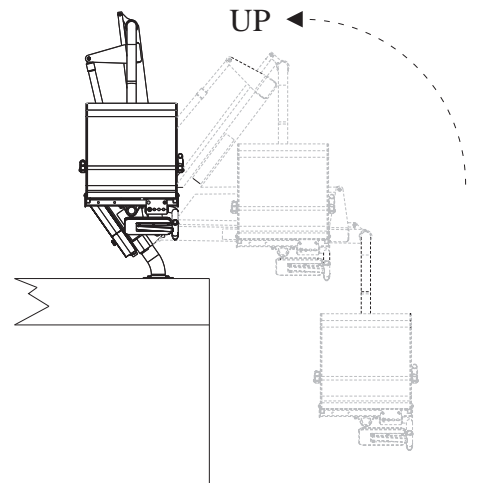
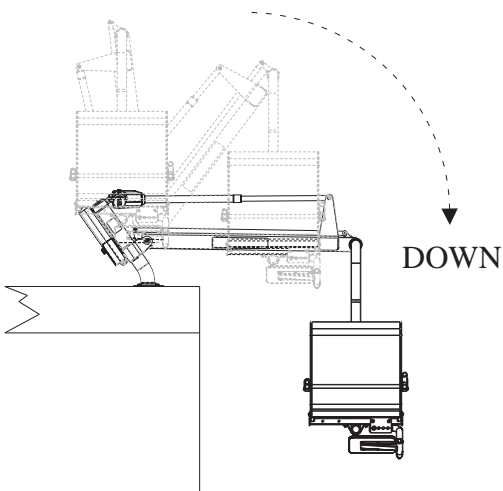
To move the lift out of the pool, press and hold the UP button on the Control Pendant.

To STOP moving, release the button once the lift is at its highest point or has stopped.



CAUTION

If the "DOWN" button is NOT released, the lift will continue to a depth below the crest of the water.



CAUTION

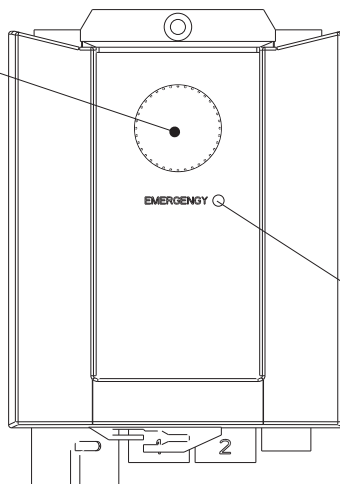
Lift is ALWAYS to be operated under the direct supervision of an Able-Bodied Adult.



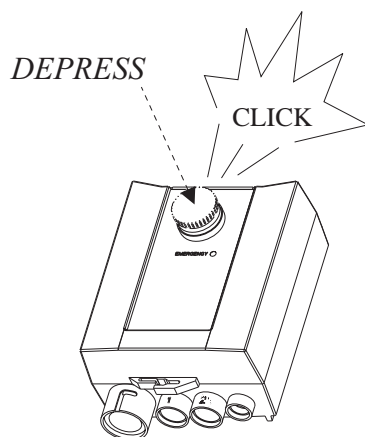
EMERGENCY BUTTONS

On the front of the Control Box there are two emergency buttons, “EMERGENCY STOP” & “EMERGENCY UP.”

EMERGENCY
“STOP” BUTTON

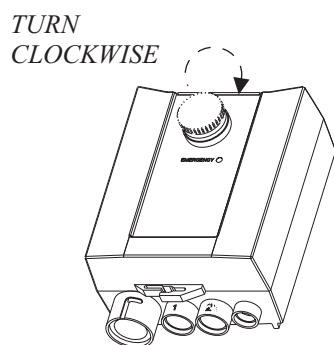


EMERGENCY
“UP” BUTTON



Emergency “STOP” Button:

The Emergency Stop Button is the larger red button on the front of the Control Box. To ENABLE the “Emergency Stop” button, depress the button so it clicks and locks in its depressed position. This will disable the lift and stop it immediately at the location in which the Emergency Button was depressed. The button will remain locked until it is released.



WARNING

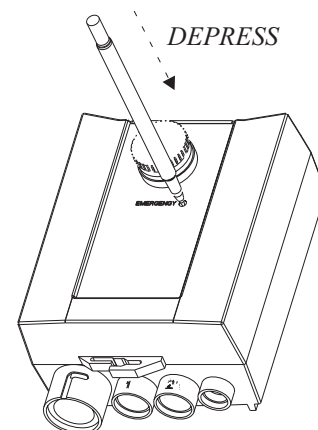
The lift WILL NOT function until the Emergency Button has been released.

To RELEASE the “Emergency Stop” button and resume operation of lift, simply turn the button clockwise until the it pops out.

2

Emergency “UP” Button:

The Emergency Up Button is the small recessed button located next to the word “EMERGENCY” on the front of the Control Box. To use; take a pen, pencil, or any object with a point, depress the button, and hold until the lift is all the way up. This will bypass the Control Pendant and raise the lift.



WARNING

This function will only work if the Battery is sufficiently charged, properly attached, and if the Control Box is operating properly.



MAINTENANCE & CARE

The lift should be cleaned routinely to ensure the life and integrity of the lift. Cleaning product is entirely up to the owner as there are many to choose from. For routine cleaning, it is recommended to use gentle soaps, detergents, or a diluted mixture of ammonia. If scrubbing is required for tough stains, use a soft scrub with brisk rubbing.

DAILY USE:

If the lift is used daily, be sure to wash the lift at the end of each day. Wash the lift with fresh water a mild soap and a soft cloth. Do not use bristled brushes or steel wools to clean the lift as it will scrap off the powder coating. Check that the lift is working properly and then place the battery on the charger. It is recommended that the battery be charged after every use.

WEEKLY USE:

If the lift is used weekly, follow the same procedure as above. Also be sure to check all of the contact points (terminals) for damage or corrosion. If you notice corrosion gently clean the terminals. To clean corrosion from the terminals use a q-tip and some rubbing alcohol. If the corrosion is particularly stubborn try using a 3M scotch brite pad, but be careful not to damage the terminals. Apply dielectric grease to the terminals after cleaning them. This will help to prevent further corrosion. Do not leave the battery on the lift when not in use. Always store the battery on the charger whenever the lift is not being used.

MONTHLY USE:

If the lift is used monthly, follow the same steps as above. Also check the nuts and bolts to make sure they are securely fastened (this is always a good idea, no matter how often or infrequently the lift is used). Also make sure to store the battery on the charger and not on the lift. Leaving the battery on the lift for extended periods will significantly shorten the battery's life span.

STORED/OCCASIONAL USE:

If the lift is not used often and is stored for an extended period of time, follow all of the steps above. Check for rusting at all crevice, weld points, and fasteners. If you notice rusting spray some WD-40 on the affected area and take a 3M scotch brite pad and rub briskly. Afterwards be sure to wash and rinse the lift again with soap and fresh water. When storing the lift make sure it is in a dry area and covered. **DO NOT STORE** in or around pool chemicals.



CAUTION

-  **ALWAYS** clean the lift with **FRESH** water only.
-  **NEVER** use the pool or chemically treated water for cleaning.

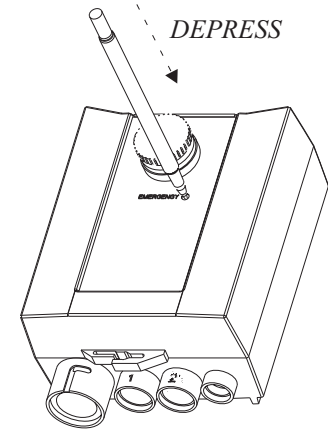
TROUBLESHOOTING PROCEDURE

****THE BATTERY SHOULD BE FULLY CHARGED BEFORE TROUBLESHOOTING****

Issue: Lift stopped moving over the water.

1 Procedure: Push the “EMERGENCY” BUTTON.

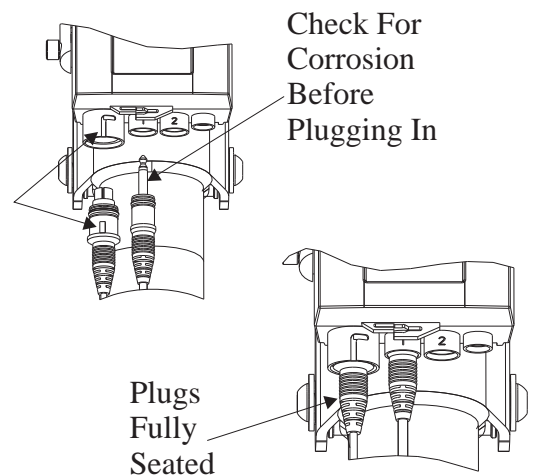
If the lift gets stuck over or in the water and the Control Pendant does not raise the lift, then using a pen, pencil, or pointed object, depress the button located on the Control Box next to the word “EMERGENCY”. This will bypass the Control Pendant and raise the lift. If this does not raise the lift, then the remote may be fine and the problem is with either the Battery, Control Box, or damaged cables.



Issue: Lift will not operate, when buttons on control pendant is pressed.

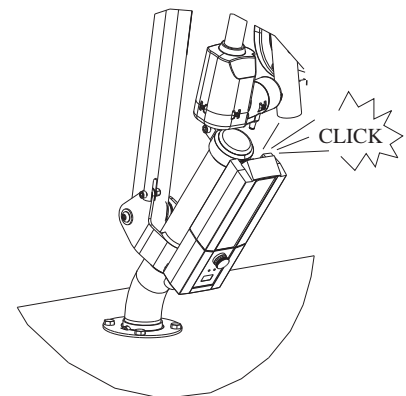
1 Procedure: Check Cable Connections to Control Box.

Check underneath the Control Box to be sure that all cables are properly seated within their respective ports. The plugs should be recessed within those ports. Verify by unplugging both the Control Pendant and the Actuator cables. Check that there is no corrosion or damage to the connectors/pins. Plug the Control Pendant back into the Control Box by aligning key on plug with key way on the port. Press in firmly to ensure that the plug is fully seated within the port. For the actuator, insert the cables jack into its port and press in firmly.



2 Procedure: Check Battery Connections.

Check that the Battery Pack is properly secured onto the Mounting Bracket. The Battery pack should be locked in place with nearly no movement if shaken. Verify by unlatching from Mounting Bracket. Check that there is no corrosion or damage to the terminals on the Battery Pack and Control Box. If corroded or dirty, clean off using rubbing alcohol. Once cleaned, it is recommended to add dielectric grease to the terminals to prevent corrosion and to ensure good electrical contact. Reinstall the Battery Pack onto the Control Box. When properly engaged onto the Mounting Bracket, the latch on the back of the Battery Pack will “CLICK”. If lift fails to lift, then try another fully charged battery. If lift still fails to operate, then the Control Box will need to be replaced. Contact an Authorized lift dealer for component replacement.

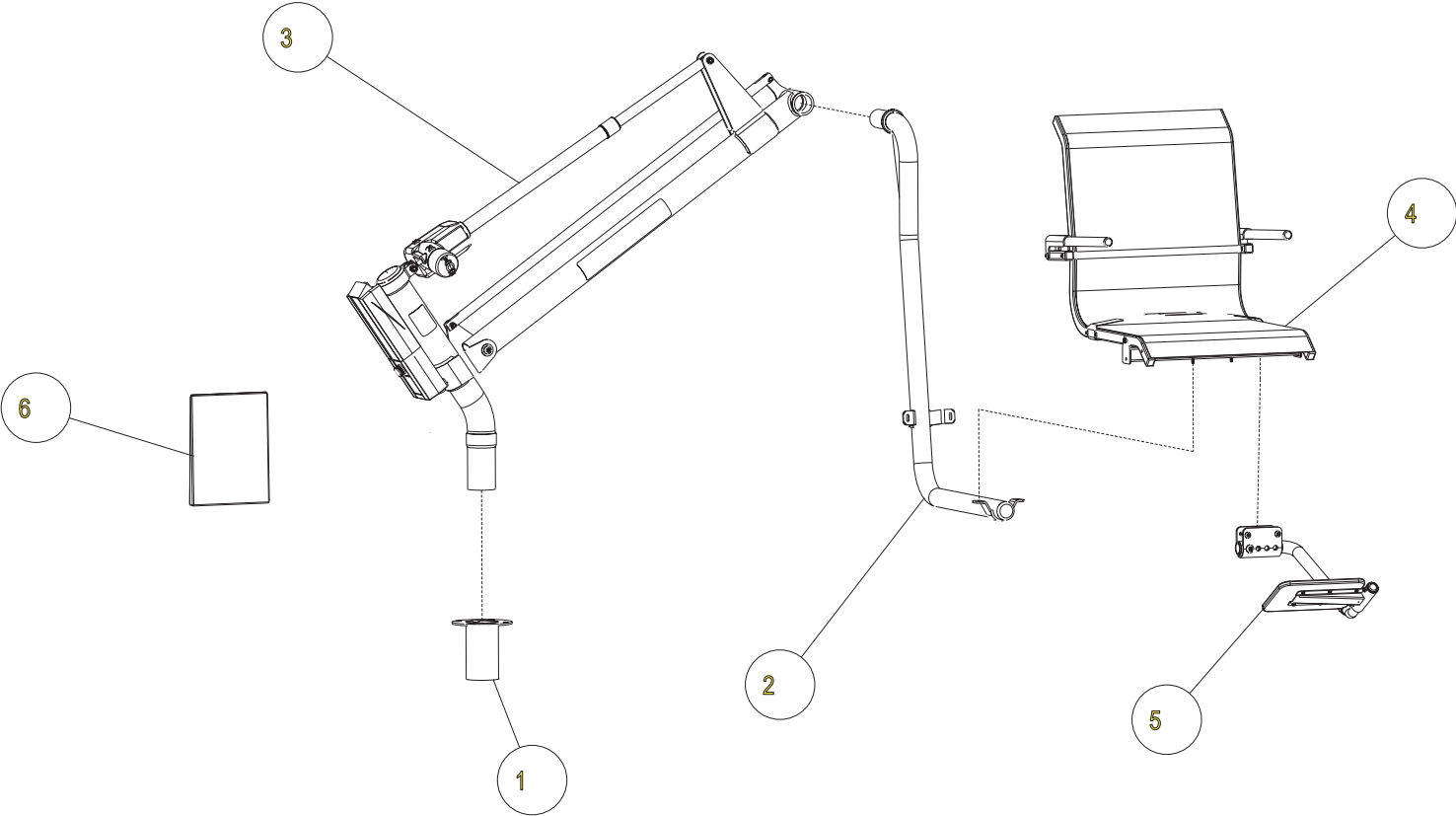


CAUTION

The lift WILL NOT function if the Battery is not charged or if the Control Box is damaged or malfunctioning.



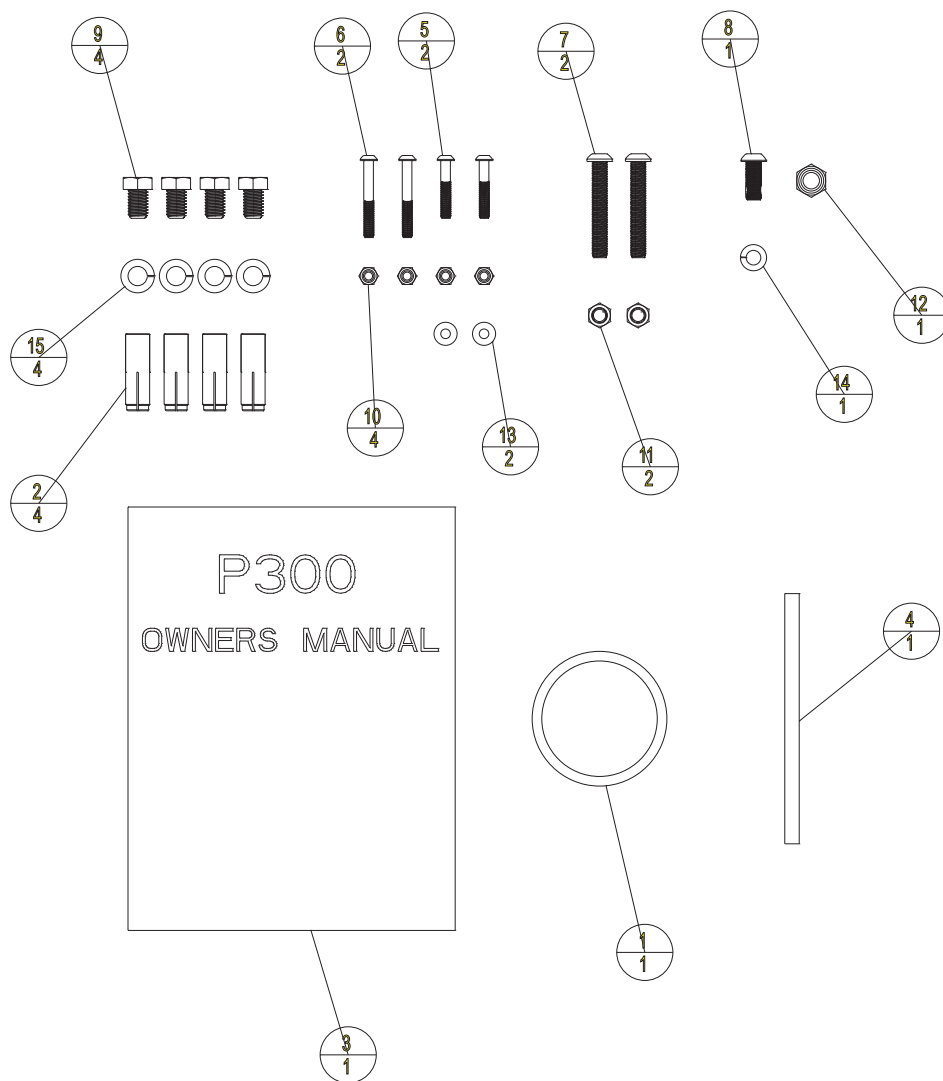
P300 ASSEMBLY



ASSEMBLY PARTS			
ITEM	QTY	PART NO.	DESCRIPTION
1	1	202-2L02-C	FLUSH MOUNT BASE
2	1	210-2L02-C	SEAT SUPPORT FRAME
3	1	NA	ARM ASSEMBLY
4	1	NA	SEAT ASSEMBLY
5	1	NA	FOOT REST ASSEMBLY
6	1	H00-2L02-A	HARDWARE PACK



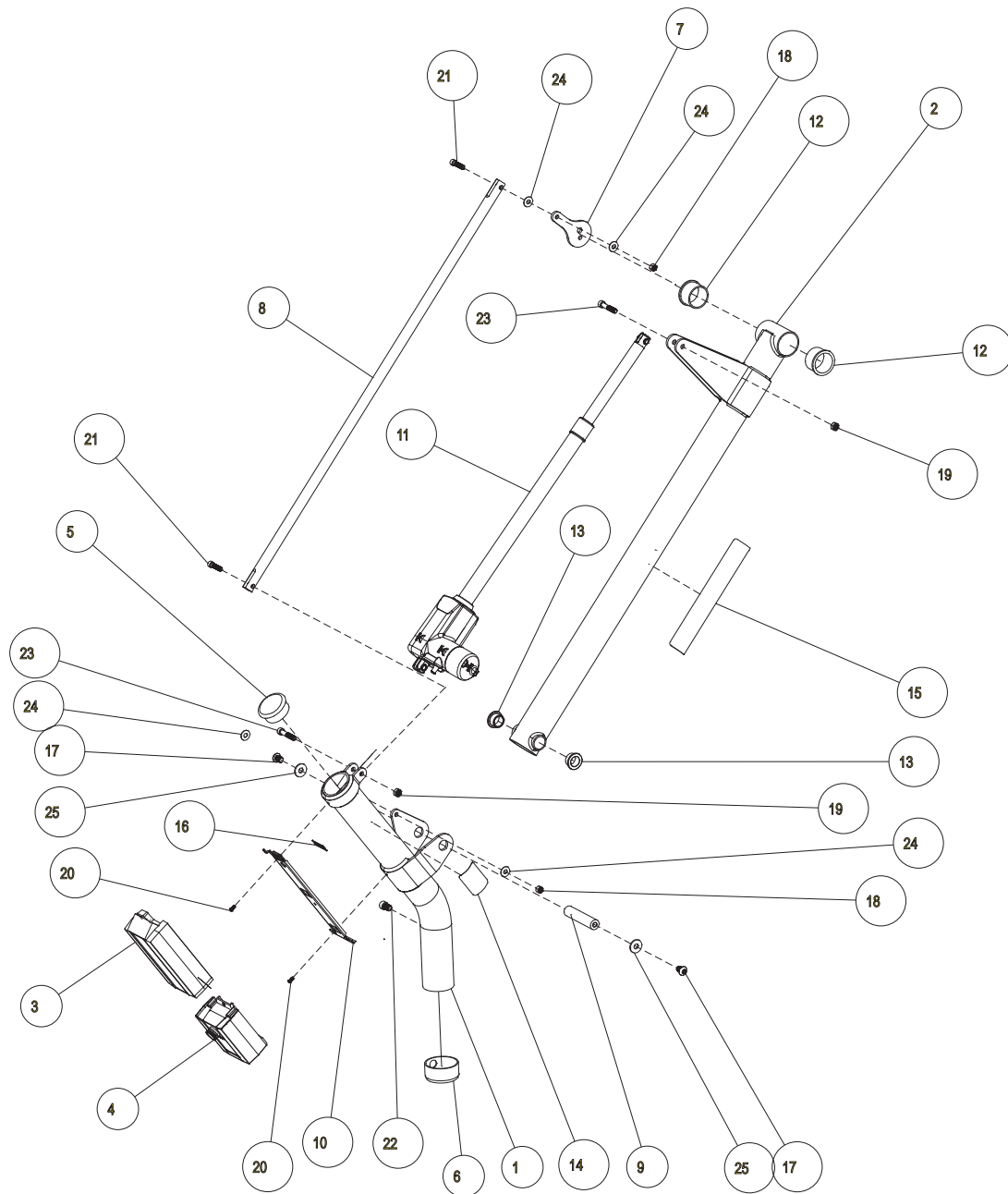
HARDWARE PACK



ASSEMBLY PARTS				
ITEM	QTY	PART NO.	DESCRIPTION	
1	1	405-2L02-A	PLUG (3.5" OD X 6-12 GA TUBE)	
2	4	540-2L03-A	1/2-13 DROP IN ANCHOR	
3	1	902-3L02-A	OWNERS MANUAL	
4	1	SB1-037-2-6_50	3/8 DIA X 6.50" L	
5	2	BHCS-0_25-20--1_50-SS	BUTTON HEAD, 1/4-20 X 1.50, SS	
6	2	BHCS-0_25-20--2_00-SS	BUTTON HEAD, 1/4-20 X 2.00, SS	
7	2	BHCS-0_37-16--2_50-SS	BUTTON HEAD, 3/8-16 X 2.50, SS	
8	1	BHCS-0_37-24--1_00-NP-SS	BUTTON HEAD W/ NYLON PATCH, 3/8-24 X 1.00, SS	
9	4	HHCS-0_50-13--0_75-SS	HEX HEAD, 1/2-13 X 0.75, SS	
10	4	NUT-0_25-20-NYLOCK-SS	NYLOCK NUT, 1/4-20, SS	
11	2	NUT-0_37-16-NYLOCK-SS	NYLOCK NUT, 3/8-16, SS	
12	1	NUT-0_50-13-NYLOCK-NTE-SS	NYLOCK NUT, THIN, 1/2-13, SS	
13	2	WASH-0_25-0_62--0_04-RH-SS	WASHER, FLAT, 1/4", SS	
14	1	WASH-0_37-0_68--0_09-SL-SS	WASHER, SPRING LOCK, 3/8 ID, SS	
15	4	WASH-0_50-0_87--0_12-SL-SS	SPLIT LOCK WASHER 1/2", SS	



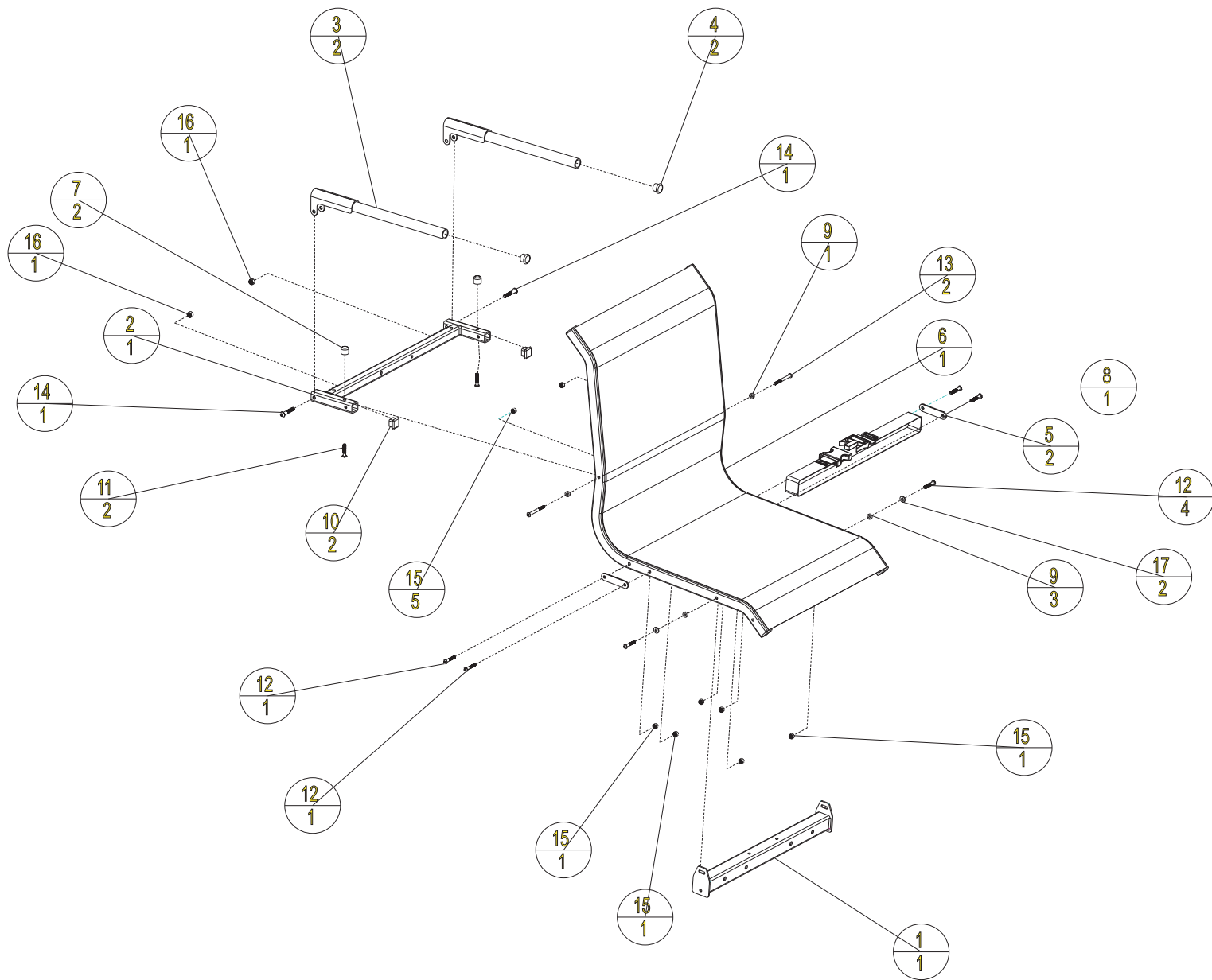
ARM ASSEMBLY



ASSEMBLY PARTS				ASSEMBLY PARTS			
ITEM	QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION
1	1	200-2L02-C	LOWER POST	14	1	ALA21094	STICKER, CAUTION
2	1	201-2L02-C	ARM	15	1	910-2L02-A	STICKER
3	1	320-2L02-A	BATTERY PACK	16	1	ALA9995	LABEL, SERIAL NUMBER
4	1	321-2L02-A	CONTROL BOX	17	2	BHCS-0_50-13-0_75-NP-SS	BUTTON HEAD W/ NYLON PATCH, 1/2-13 X 0.75, SS
5	1	401-2L02-A	PLUG (3" OD X 6-10 GA TUBE)	18	2	NUT-0_37-16-NYLOCK-SS	NYLOCK NUT, 3/8-16, SS
6	1	415-2L02-A	POST BUSHING	19	2	NUT-M10-1_5-NYLOCK-SS	NYLOCK NUT, M10 X 1.5, SS
7	1	517-2L02-C	ROTATION PLATE	20	2	PHTS-10-32-0_50-SS	PAN HEAD, THREAD FORMING, 10-32 X 1/2, SS
8	1	531-2L02-C	LINK SHAFT	21	2	SHCS-0_37-16-1_50-SS	SOCKET HEAD, 3/8-16 X 1.50, SS
9	1	557-2L02-A	ARM PIN	22	1	SHCS-0_50-20-0_75-SS	SOCKET HEAD, 1/2-20 X 0.75, SS
10	1	599-2L02-A	CONTROL MOUNTING BRACKET	23	2	SHCS-M10-1_5-55MM-SS	SOCKET HEAD, M10-1.5 X 55, SS
11	1	801-2L02-A	ACTUATOR	24	4	WASH-0_40-1_00-0_05-RH-N	WASHER, 0.40 ID X 1.00 OD X 0.05, WHITE NYLON
12	2	ALA05010	FLANGE BEARING 2 INCH	25	2	WASH-0_50-1_37-0_12-RH-SS	WASHER, FLAT, 1/2", SS
13	2	ALA15110	BRONZE FLANGE BUSHING, 1"				



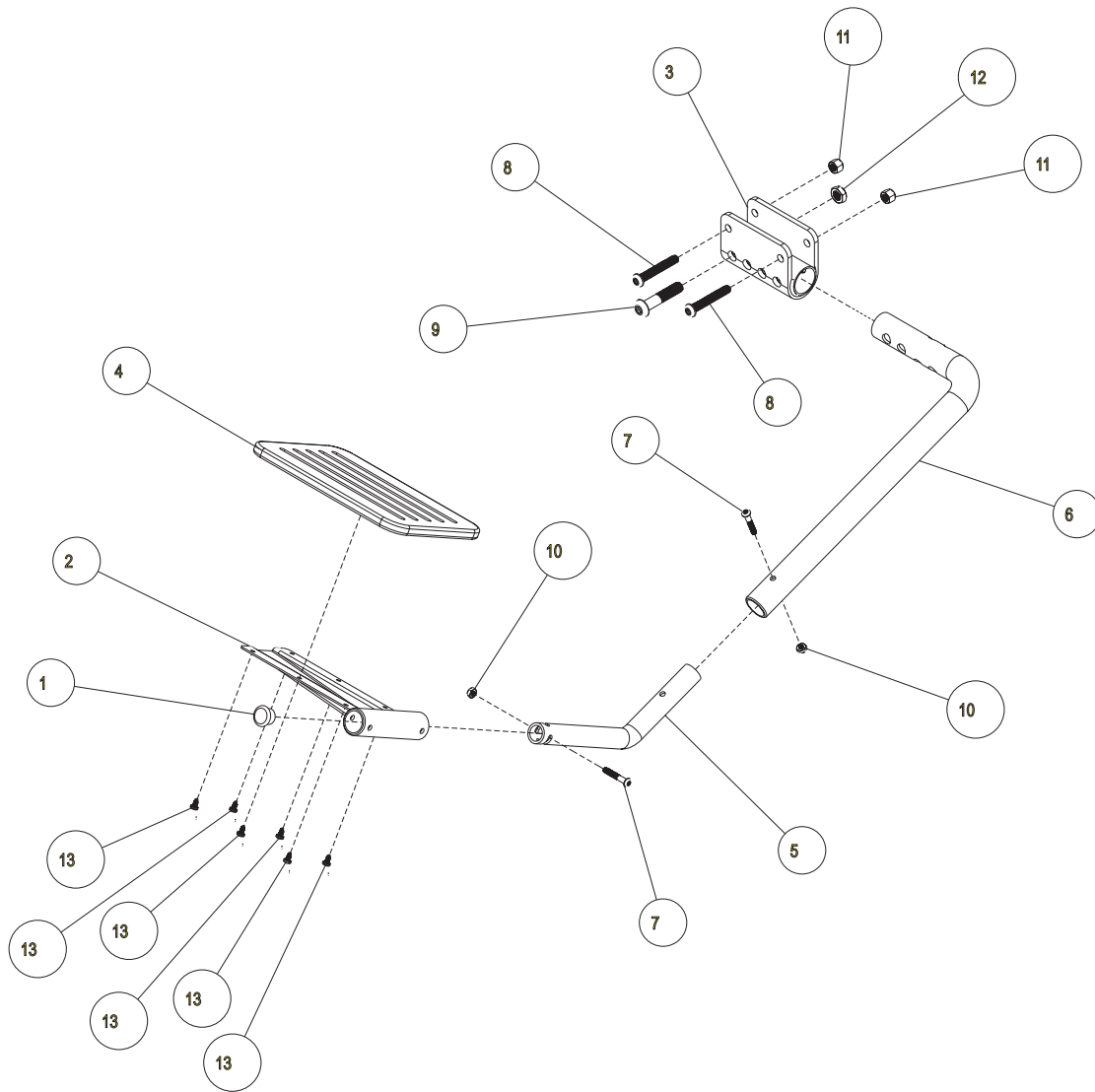
SEAT ASSEMBLY



ASSEMBLY PARTS			
ITEM	QTY	PART NO.	DESCRIPTION
1	1	204-3L02-C	SEAT LOWER SUPPORT
2	1	213-2L02-C	BACK BRACKET
3	2	214-2L02-C	ARMREST
4	2	410-2L02-A	PLUG (1" DIA RND TUBE)
5	2	542-2L02-C	PLATE
6	1	900-2L02-A	SEAT
7	2	906-2L02-A	RUBBER BUMPER
8	1	911-3L02-A	SEAT BELT
9	4	SPCR-0_25-0_50-0_18-N	SPACER, 1/4 ID X 0.18, NYLON
10	2	ALA25025FP	END CAPS
11	2	BHCS-0_25-20-1_25-SS	BUTTON HEAD, 1/4-20 X 1.25, SS
12	6	BHCS-0_25-20-1_50-SS	BUTTON HEAD, 1/4-20 X 1.50, SS
13	2	BHCS-0_25-20-2_50-SS	BUTTON HEAD, 1/4-20 X 2.50, SS
14	2	BHCS-0_31-18-1_75-SS	BUTTON HEAD, 5/16-18 X 1.75, SS
15	8	NUT-0_25-20-NYLOCK-SS	NYLOCK NUT, 1/4-20, SS
16	2	NUT-0_31-18-NYLOCK-SS	NYLOCK, 5/16-18, SS
17	2	WASH-0_25-0_62-0_04-RH-SS	WASHER, FLAT, 1/4", SS



FOOT REST ASSEMBLY



ASSEMBLY PARTS			
ITEM	QTY	PART NO.	DESCRIPTION
1	1	410-2L02-A	PLUG (1" DIA RND TUBE)
2	1	211-2L02-C	FOOT PLATE SUPPORT
3	1	212-2L02-C	HOUSING
4	1	416-2L02-A	FOOT PLATE
5	1	567-2L02-C	LOWER LEG TUBE
6	1	568-2L02-C	UPPER LEG TUBE
7	2	BHCS-0_25-20--1_50-SS	BUTTON HEAD, 1/4-20 X 1.50, SS
8	2	BHCS-0_37-16--2_50-SS	BUTTON HEAD, 3/8-16 X 2.50, SS
9	1	BHCS-0_50-13--2_50-SS	BUTTON HEAD, 1/2-13 X 2.50, SS
10	2	NUT-0_25-20-NYLOCK-NTE-SS	NYLOCK NUT, THIN, 1/4-20, SS
11	2	NUT-0_37-16-NYLOCK-SS	NYLOCK NUT, 3/8-16, SS
12	1	NUT-0_50-13-NYLOCK-NTE-SS	NYLOCK NUT, THIN, 1/2-13, SS
13	6	PHTS-10-32--0_37-SS	PAN HEAD, THREAD FORMING, 10-32 X 0.37, SS





POOL LIFTS THREE YEAR NON-TRANSFERABLE LIMITED WARRANTY

Harmar warrants ONLY to the original purchaser of the product manufactured by Harmar, assembled and installed in accordance with Harmar's assembly and installation instructions, properly used and maintained, shall be free from defects in material and workmanship for a period of three (3) years from the date of original purchase, with the exception of the following items: Battery Pack and Seat each have a one (1) year warranty from the date of original purchase.

The Pool Lift has a three (3) year warranty on the frame/mechanical, electrical & motor components, excluding powder coated paint finish, which may become scratched or chipped with normal use. The Battery Pack and Seat, including seat frame, spreader bars, sling, and powder coat paint finish have a one (1) year warranty. Within the warranty period, Harmar will repair or replace any item deemed to be found defective. Normal maintenance and care of the unit, including charging the battery when not in use is recommended.

IMPORTANT: Weight capacity of pool lift seat and its seat support frame is NOT to exceed the **MAXIMUM LIFTING CAPACITY of 350 lb [159 kg]**.

The warranty is non-transferable and is subject to the following terms and conditions:

- ❏ Harmar shall not be responsible for the cost of removal or replacement of any defective Harmar product, nor for any other expenses or for damages which might be incurred in such removal or replacement.
- ❏ This warranty specifically excludes fading or staining of material, rust or corrosion of any metallic material, and cleaning of Harmar products.
- ❏ This warranty relates only to defects in material and workmanship and DOES NOT cover any damages or failures resulting from other causes, including, but not limited to Acts of God, misuse or abuse, accident or negligence, fire, improper assembly or installation, chipping or flaking of powder coating, weather damages, including ice and sand, improper maintenance of any products, or normal wear and tear from day to day use.
- ❏ Damages induced by the improper use of chemicals is not covered by this warranty.
- ❏ In the event that any products are altered, repaired, or improperly installed or improperly used by anyone without prior written approval by Harmar, all warranties will be void.
- ❏ Harmar shall not be liable for any consequential, special or incidental damages, including, but not limited to any damages for loss of use of pools or injuries to person or property, and any claims therefore are hereby specifically disclaimed and excluded. Some states do not allow the exclusion or limitation of incidental, special or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which may vary from state to state. The warranty is extended to, and enforceable only by the original retail purchaser.
- ❏ If any Harmar products fail during the warranty period as a result of a defect in material or workmanship covered by this warranty, the original retail purchaser is to contact the installer of the lift or place of purchase to assess the defect or damage. Defective parts must be returned, prepaid, to Harmar at 2075 47th Street, Sarasota, Florida 34234, for inspection prior to credit, repair or replacement at Harmar's option. Harmar's sole obligation and the exclusive remedy under this warranty is limited to such credit, repair or replacement.
- ❏ A new warranty period shall not be established for the repaired or replaced products. Such products shall remain under warranty for the remainder of the original warranty period on the original products purchased.



This written limited warranty constitutes the final, complete and exclusive statement of warranty terms. No person or organization is authorized to make any other specific or implied warranties or representations on behalf of Harmar.

The warranties set forth herein are in lieu of all other warranties, expressed or implied, which are hereby disclaimed and excluded, including without limitation any warranty of merchantability or fitness for a particular purpose or use.

The sole and exclusive remedies for breach of any and all warranties with respect to the products shall be limited to repair or replacement at Harmar's designated factory location, or duly appointed distributor, or in place at Harmar's option. In no event shall Harmar's liability exceed the entire amount paid to Harmar by the original purchaser for the failed or defective product.

In no event shall Harmar be liable for any incidental, consequential, special, indirect, punitive or exemplary damages or lost profits from any breach of this limited warranty or otherwise



THANK YOU FOR MAKING HARMAR AMERICA'S LEADER IN LIFTS



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